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THESAURUS on Tropical Grain and Forage Legumes

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INTERNATIONAL GRAIN LEGUME INFORMATION CENTRE
INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE
PMB 5320, Ibadan, Nigeria



1977

INTERNATIONAL GRAIN LEGUME INFORMATION CENTRE

IITA

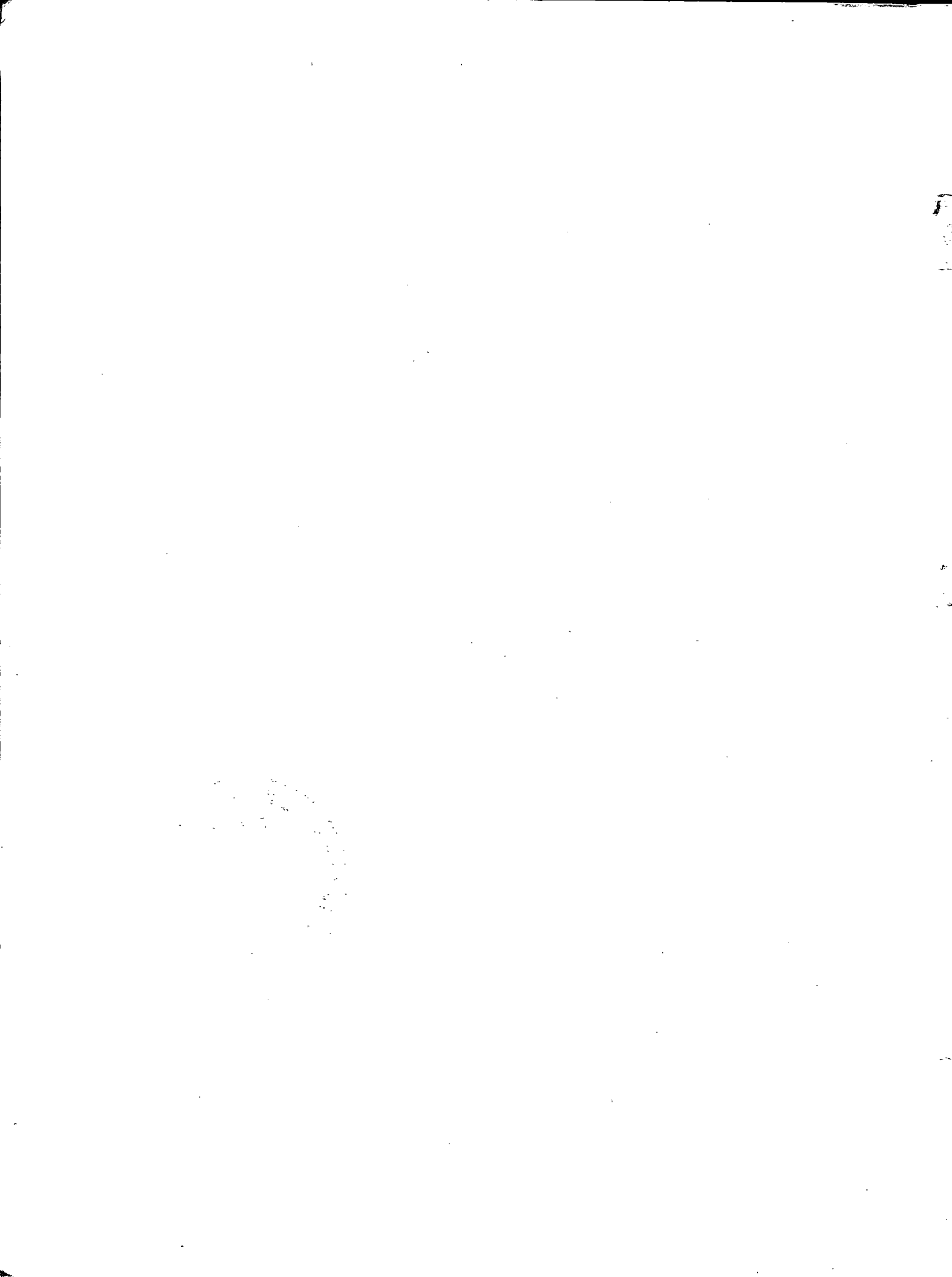
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TROPICAL GRAIN AND FORAGE LEGUMES

DONALD LEATHERDALE
International Development Research Centre
Ottawa, Canada



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FOREWORD

Grain legumes offer immense opportunities for improving the diets of the peoples of the tropics. This is because most of these legumes have high protein contents; in some species, such as the winged bean, average seed-protein content may be as high as 37 percent. In a world faced with a shortage of energy, and therefore of chemical fertilizers, legumes have the additional advantage that they can grow well under a wide range of environments without supplemental nitrogen. This ability is particularly important under the subsistence farming conditions prevalent in the tropics.

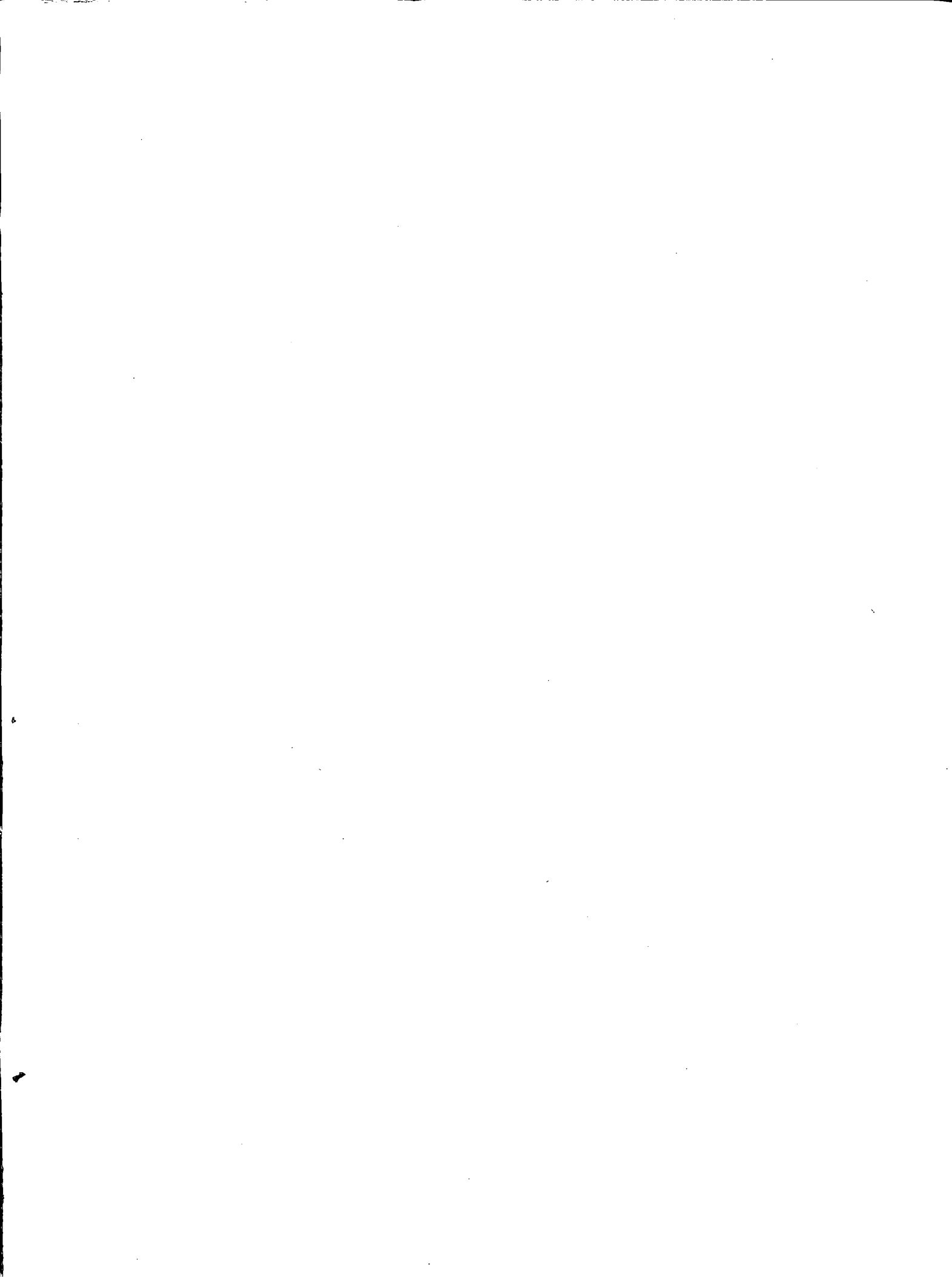
It is for these reasons that interest in grain legumes has increased during the last decade. Many national and international organizations, including the International Institute of Tropical Agriculture, (IITA), Ibadan, Nigeria, have mounted vigorous research programmes on the food legumes. However, information on legumes is scattered in a large number of journals, monographs and documents, and channels of communication for legume scientists and extension workers are grossly inadequate. It was to correct these deficiencies in bibliographical control and communication that IITA and the International Development Research Centre (IDRC) jointly established the International Grain Legume Information Centre in 1975.

A prime function of the International Grain Legume Information Centre is to assemble the world literature on the major tropical grain legumes, and then to index and organize it for easy retrieval. A mechanical method, the Termatrix Information System, was chosen as the means of organizing the information assembled. This system requires a controlled vocabulary in the form of a thesaurus. It was recognized that the efficiency of the retrieval system would depend largely on the excellence of the thesaurus and its ease of application.

The International Grain Legume Information Centre was fortunate to obtain the services of Donald Leatherdale, a renowned expert in thesaurus construction, to compile the thesaurus we needed. We requested him to extend the scope of his compilation beyond our local needs to include forage legumes. The result is this Thesaurus on Tropical Grain and Forage Legumes. We have used it in our input and retrieval operations for two years and have found it most satisfactory.

Much of the Thesaurus, particularly the subsections on agronomy and cultivation, products, utilization, economics, and research and development, can be readily adapted for use in information systems dealing with a particular crop or groups of crops. We at the International Grain Legume Information Centre consider the Thesaurus on Tropical Grain and Forage Legumes an excellent piece of work and are most pleased to sponsor its publication and distribution. We commend it to agricultural information centres and professional documentalists in other fields.

S. M. Lawani
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International Institute of Tropical Agriculture



INTRODUCTION

One of the prime requirements for the operation of the International Tropical Grain Legume Information Centre (ITGLIC) at the International Institute of Tropical Agriculture in Ibadan, Nigeria, was seen to be the establishment of a controlled vocabulary. The vocabulary was envisaged as one that would play three roles:

- i) Input. ITGLIC is identifying and abstracting the world documentation on cowpeas and related crops. The data base thus being built up requires indexing with a keyword structure, largely capable of being used with the free language describing that documentation.
- ii) Output. For retrieval purposes, the information officer acting as the interface between an enquirer and the system would also require a vocabulary that included not only the keywords used at input but also a wide range of synonyms.
- iii) Scope. A suitable arrangement of the keywords would in itself indicate the subject scope of ITGLIC.

It was considered that the most suitable form of controlled vocabulary to achieve these ends would be that of a thesaurus. It was further considered that it would be a positive economy of effort if the thesaurus were to be extended to cover tropical grain legumes other than those of direct interest to ITGLIC at present, and to include non-woody tropical forage legumes. This extension caused little appreciative change to the volume of keywords, except in the listings of crops and related plant species. Whether a particular crop is 'tropical' or not is sometimes a matter for confusion; the expression has therefore been taken in a wide sense to include sub-tropical grain legumes, the listing given in FAO's Tabulated Information on Tropical and Subtropical Grain Legumes (see References, p. 350) having been used as a starting point. Advantage has been taken of recent changes of nomenclature, mainly in the genera Phaseolus and Vigna (see Verdcourt (1970a, 1970b and 1971) and Westphal (1974)), to include the related synonymy in this thesaurus.

The experience of David J. Rogers and S.G. Appen with cassava (Manihot esculenta) (Flora Neotropica Monograph no. 13, New York 1973) was that "In the course of the study of the variation within the cultigen, it became evident that much of the intra-specific variation must be attributed to hybridization with other species in the genus Manihot, and that no progress with evolutionary studies could be made until all the species of the genus were

embedded in a modern classification system." With this realistic type of thinking in mind, both scientific names and common names appear as keywords (descriptors) in the thesaurus. Their relationships are shown, but in general it will be found advantageous to index germplasm sources under the scientific name and crops under the common name. Although scientific names should include the name of their authority, the authority has been omitted in the descriptors except in instances where differentiation between two or more species demands its retention. Thus we have the following example:

Canavalia ensiformis auctt
USE CANAVALIA GLADIATA

CANAVALIA ENSIFORMIS DC

Of these two, C. ensiformis as used by authors other than DeCandolle should be indexed as C. gladiata, whereas C. ensiformis as originally described by DeCandolle (DC) is a 'good species' and should be indexed as such.

Some compromises have been introduced to which the purist may take exception; but they have not been made lightly. To give an example, the descriptor CULTIVARS is used for LINES, SELECTIONS and VARIETIES as well as its strict application of CULTIVATED VARIETIES. Two botanical concepts are covered by the word VARIETIES: one refers to variants of a botanical species that have small but constant heritable differences from the type; the other refers to assemblages of cultivated plants with constant characters. Strictly, CULTIVARS applies only to the latter, but the difficulties confronting an indexer when expected to differentiate between these, from literature in which the exact status of a particular plant is seldom accurately stated, may well be imagined. Let us then content ourselves with the compromise, the use of pseudo-synonymy, and at the retrieval stage bear in mind that such a descriptor covers a wider range of meaning than is immediately apparent.

The thesaurus is presented in two listings. The Categorized Listing (pp. 1-68) breaks the vocabulary into nine subject headings and is indicative of the subject scope. Major descriptors appear at the left-hand margin, narrower descriptors being preceded by a hyphen. No detail is given in the categorized listing, except that related terms are included, preceded by an asterisk. Thus:

PLANT-GROWTH SUBSTANCES

- ABSCISINS
- AUXINS
 - INDOLE-3-ACETIC ACID
- GIBBERELLINS

- * GROWTH
- * HERBICIDES
- * PROPAGATION

- * CAMBIUM
- * SYNTHETIC AUXINS

In this typical example, PLANT-GROWTH SUBSTANCES is a major descriptor; it has no broader term. GROWTH, HERBICIDES and PROPAGATION are related terms to PLANT-GROWTH SUBSTANCES. ABSCISINS, AUXINS and GIBBERELLINS are narrower terms of PLANT-GROWTH SUBSTANCES, and INDOLE-3-ACETIC ACID is a narrower term of AUXINS. CAMBIUM and SYNTHETIC AUXINS are related terms to AUXINS. Apart from the convenience of showing major relationships, and indicating whether or not a particular subject is within the subject scope of the system, the categorized listing is a less effective tool than the alphabetical listing for the purpose of indexing and retrieval.

The Alphabetical Listing (pp. 69-349) is the more important section of the thesaurus. It provides an alphabetical sequence of all the descriptors and non-descriptors. Descriptors are printed in capitals and non-descriptors in upper and lower case. The alphabetical sequence is word-by-word, rather than letter-by-letter:

CHICK PEAS
CHICKASWA LIMA
CHICKENS
CHICKLING VETCH
CHICKPEAS
CHICKS

Both CHICK PEAS and CHICKPEAS are encountered in the literature, and therefore both names appear in the listing as an aid to the indexers, although only the first is a descriptor. Hyphens are considered as spaces for sequence purposes.

The usual thesauric conventions have been applied. Broader Terms, Narrower Terms and Related Terms are indicated by BT, NT and RT, respectively. The use of RT is equivalent to the instruction "See also". Some descriptors, and indeed a few non-descriptors, are accompanied by a brief Scope Note (SN) when it is felt that explanation or limitation is required. The synonyms, quasi-synonyms or pseudo-synonyms that a descriptor replaces are indicated by UF ("Use for"). The reciprocal statement, USE, is used only with non-descriptors. An initial after each

descriptor indicates the category in which the descriptor is placed in the Categorized Listing. The following examples may clarify these expressions for those who are unaccustomed to them:

BACTERIOSES	E	Descriptor/Category Letter
SN Includes pathogens		Scope note
UF BACTERIAL DISEASES)	
)	Use for these synonyms
DISEASES (BACTERIAL))	
BT DISEASES AND PATHOGENS		Broader or generic term
NT PSEUDOMONAS GLYCINEA)	
SOYBEAN SEEDLING BLIGHT)	Narrower or included terms
XANTHOMONAS VIGNICOLA)	
RT BACTERIA		Related term
Bacterial diseases		Non-descriptor
USE BACTERIOSES		Use this descriptor

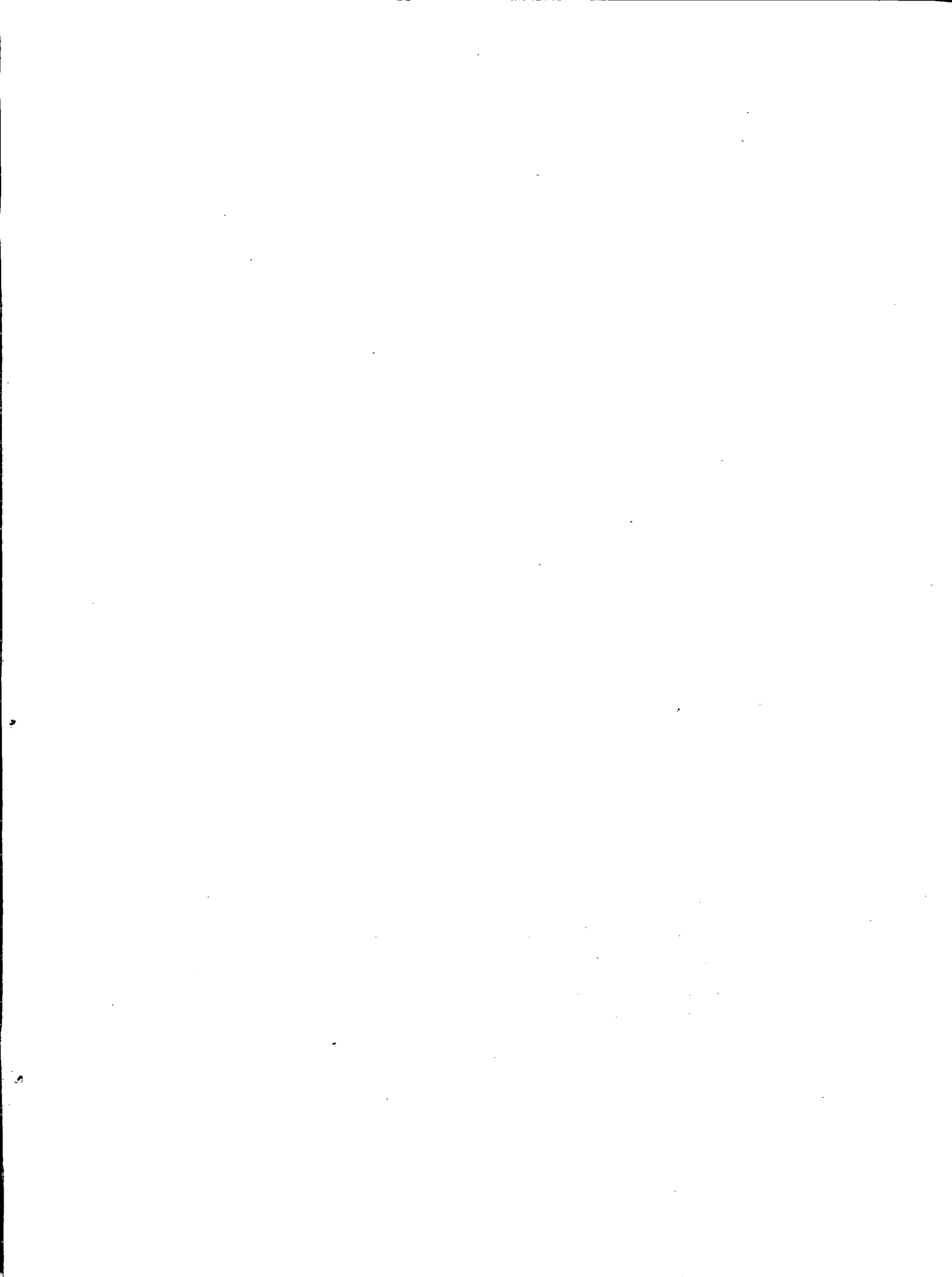
Exceptionally, a broader term may be enclosed within parentheses, as:

LEGUMINOSAE
(BT ROSALES)

This indicates that the term is logically there, but does not appear as a descriptor in this thesaurus. It represents a "bridging term" from this thesaurus to a hypothetical one of wider coverage, such as may be envisaged in connection with the International Information System for the Agricultural Sciences and Technology (AGRIS).

Certain chains of hierarchical descriptors require a special word. The descriptors concerned are: BACTERIOSES, MYCOSES, VIROSES, COLEOPTERA, DIPTERA, HETEROPTERA, HOMOPTERA, LEPIDOPTERA, ORTHOPTERA, THYSANOPTERA, INJURIOUS MITES, NEMATODES, FUNGICIDES, INSECTICIDES, ACARICIDES, NEMATICIDES and HERBICIDES, all of which occur in category E, Field and storage pests (including diseases). If one were to include, for example, all the known fungus diseases of tropical grain legumes under MYCOSES, or all the known pest beetles under COLEOPTERA, one would end up with lists of formidable length. It could well be argued that such information would be more appropriate to centres specializing in applied mycology and entomology than to those specializing in groups of crops. Yet it has been apparent from discussions with those involved in grain-legume work that there is a real need for this sort of information. So, once again, we present a compromise position. A tentative compilation of the most important organisms or pesticides is given under the appropriate descriptors, and experience will tell what modification may be required. For those users of the thesaurus whose detailed needs demand the fuller treatment, it is recommended that they augment the present vocabulary with their complete listings.

So many people have been of great assistance during the preparation of this vocabulary that perhaps I may be forgiven if I do not name them; but I must thank Mr. S. M. Lawani at IITA for arranging very profitable discussions with legume specialists at that institution, Dr. W. Thompson for organizing similar discussions at INSTOY and with the Soybean Insect Research Information Centre (SIRIC), and the staff of IDRC's Information Sciences Division for producing the original draft of the thesaurus within a very tight schedule, the brunt of the work falling on the shoulders of Mrs. Heather Perry.



SECTION I: CATEGORIZED LISTING

A GRAIN AND FORAGE LEGUMES AND RELATED CROPS

PLANT GEOGRAPHY	* ECOLOGY * HISTORY
- CENTRE OF ORIGIN	
HISTORY	* PLANT GEOGRAPHY * TRADITIONS
PLANT EXPLORATION	* PLANT INTRODUCTION
TAXONOMY	* IDENTIFICATION * NOMENCLATURE
- CHEMOTAXONOMY	
- NUMERICAL TAXONOMY	
NOMENCLATURE	* TAXONOMY
IDENTIFICATION	* TAXONOMY
LEGUMES	* LEGUMINOSAE * GREEN-MANURE LEGUMES
- FORAGE LEGUMES	
- TROPICAL FORAGE LEGUMES	* ASPARAGUS BEANS * GLYCINE CANESCENS * LATHYRUS SATIVUS * LATHYRUS SYLVESTRIS * LOTONONIS BAINESII * METCALFE BEANS * RICE BEANS * TERAMNUS * VICIA * ZORNIA DIPHYLLA
- ALYCE CLOVERS	* ALYSICARPUS
- CLOVERS	* TRIFOLIUM
- CRIMSON CLOVER	* TRIFOLIUM INCARNATUM
- EGYPTIAN CLOVER	* TRIFOLIUM ALEXANDRINUM
- PERSIAN CLOVER	* TRIFOLIUM RESUPINATUM
- ROSE CLOVER	* TRIFOLIUM HIRTUM
- COMMON VETCH	* VICIA SATIVA

- CYPRUS VETCH
 - FENUGREEK
 - HORSE GRAM
 - JOINT VETCHES
 - KUDZUS
 - LESPEDEZAS
 - LUPINS
 - EGYPTIAN LUPIN
 - WHITE LUPIN
 - STYLO LUCERNES
 - BRAZILIAN LUCERNE
 - TOWNSVILLE LUCERNE
 - SWEETCLOWERS
 - TANGIER PEAS
 - TICK CLOWERS
 - VELVET BEANS
 - BENGAL BEANS
 - FLORIDA VELVET BEANS
 - LYON BEANS
 - OSCEOLA VELVET BEANS
 - YOKOHAMA BEANS
 - GRAIN LEGUMES
 - TROPICAL GRAIN LEGUMES
- * LATHYRUS OCHRUS
 - * TRIGONELLA FOENUM-GRAECUM
 - * GREEN-MANURE LEGUMES
 - * VIGNA UNGUICULATA UNGUICULATA
 - * AESCHYNOMENE
 - * PUERARIA
 - * LESPEDEZA
 - * GREEN-MANURE LEGUMES
 - * LUPINUS
 - * LUPINUS TERMIS
 - * LUPINUS ALBUS
 - * STYLOSANTHES
 - * STYLOSANTHES GRACILIS
 - * STYLOSANTHES SUNDAICA
 - * MELILOTUS
 - * LATHYRUS TINGITANUS
 - * DESMODIUM
 - * MUCUNA
 - * MUCUNA ATERRIMA
 - * MUCUNA DEERINGIANA
 - * MUCUNA NIVEA
 - * GREEN-MANURE LEGUMES
 - * MUCUNA DEERINGIANA
 - * MUCUNA NIVEA
 - * MUCUNA HASSJOO
 - * AFRICAN YAM BEANS
 - * BENGAL BEANS
 - * DIOCLEA REFLEXA
 - * GROUNDNUTS
 - * SOYBEANS
 - * VICIA CALCARATA
 - * YAM BEANS

- ADZUKI BEANS
- AFRICAN LOCUST BEANS
- ASPARAGUS BEANS
- BAMBARRA GROUNDNUTS
- BROAD BEANS
- CATJANG
- CHICK PEAS
- CLUSTER BEANS
- COWPEAS
- GEOCARPA GROUNDNUTS
- GOA BEANS
- HORSE-EYE BEANS
- JACK BEANS
- KIDNEY BEANS
 - DWARF BEANS
 - FRENCH BEANS
 - RUNNER BEANS
 - SKINLESS KIDNEY BEANS
 - TOUGH-PODDED KIDNEY BEANS
- LABLAB
- LENTILS
- LIMA BEANS
 - POTATO LIMA BEANS
 - RED LIMA BEANS
 - SIEVA BEANS
- * VIGNA ANGULARIS
- * PARKIA
- * VIGNA UNGUICULATA SESQUIPEDALIS
- * TROPICAL FORAGE LEGUMES
- * VOANDZEIA SUBTERRANEA
- * VICIA FABA
- * VIGNA UNGUICULATA CYLINDRICA
- * COWPEAS
- * CICER ARIETINUM
- * CYAMOPSIS PSORALIOIDES
- * VIGNA UNGUICULATA
- * CATJANG
- * KERSTINGIELLA GEOCARPA
- * PSOPHOCARPUS TETRAGONOLOBUS
- * MUCUNA SLOANEI
- * CANAVALIA ENSIFORMIS DC
- * CONCANAVALLINS
- * PHASEOLUS VULGARIS
- * SCARLET RUNNER BEANS
- * LABLAB PURPUREUS
- * LENS CULINARIS
- * PHASEOLUS LUNATUS

- SPECKLED LIMA BEANS
- WHITE LIMA BEANS
- METCALFE BEANS
 - * PHASEOLUS RETUSUS
 - * TROPICAL FORAGE LEGUMES
- MOTH BEANS
 - * VIGNA ACONITIFOLIA
- MUNG BEANS
 - * VIGNA MUNGO
 - * VIGNA RADIATA RADIATA
 - * URD
- OIL BEANS
 - * CONDIMENTS
 - * PENTACLETHRA MACROPHYLLA
- PEAS
 - * PISUM
 - COMMON PEAS
 - * PISUM SATIVUM
 - ABYSSINIAN PEAS
 - * PISUM SATIVUM ABYSSINICUM
- PHASEMY BEANS
 - * PHASEOLUS LATHYROIDES
- PIGEON PEAS
 - * CAJANUS CAJAN
- RICE BEANS
 - * VIGNA UMBELLATA
 - * TROPICAL FORAGE LUGUMES
- SARAWAK BEANS
 - * VIGNA HOSEI
- SCARLET RUNNER BEANS
 - * PHASEOLUS COCCINEUS
 - * RUNNER BEANS
- SWORD BEANS
 - * CANAVALIA GLADIATA
- TEPARY BEANS
 - * PHASEOLUS ACUTIFOLIUS
- URD
 - * VIGNA MUNGO
 - * MUNG BEANS
- OIL-SEED LEGUMES
 - GROUNDNUTS
 - * ARACHIS HYPOGAEA
 - * TROPICAL GRAIN LEGUMES
 - SPANISH GROUNDNUTS
 - VALENCIA GROUNDNUTS
 - VIRGINIA GROUNDNUTS
 - SOYBEANS
 - * GLYCINE MAX
 - * TROPICAL GRAIN LEGUMES

- ROOT LEGUMES
 - AFRICAN YAM BEANS
 - * SPHENOSTYLIS
 - * STARCH CROPS
 - * TROPICAL GRAIN LEGUMES
 - * YAM BEANS
 - YAM BEANS
 - * PACHYRHIZUS
 - * AFRICAN YAM BEANS
 - * STARCH CROPS
 - * TROPICAL GRAIN LEGUMES
 - AHIPA
 - * PACHYRHIZUS AHIPA
 - JICANA
 - * PACHYRHIZUS PALMATILOBUS
 - MEXICAN YAM BEANS
 - * PACHYRHIZUS EROSUS
 - WAYAKA YAM BEANS
 - * PACHYRHIZUS ANGULATUS
- GREEN MANURES
 - GREEN-MANURE LEGUMES
 - * ROTATIONAL CROPS
 - * LEGUMES
 - * ARACHIS PROSTRATA
 - * CALOPOGONIUM MUCUNOIDES
 - * HORSE GRAM
 - * LUPINS
 - * LYON BEANS
 - BRABICON BEANS
 - * CANAVALIA CAMPYLOCARPA
- STARCH CROPS
 - * SPHENOSTYLIS
 - * YAM BEANS
- COVER CROPS
 - * LIVE MULCHES
 - * WEED CONTROL
- LEGUMINOSAE
 - * LEGUMINOSAE-MIMOSOIDEAE
 - * LEGUMINOSAE-PAPILIONOIDEAE
 - * LEGUMES
- LEGUMINOSAE-MIMOSOIDEAE
 - * LEGUMINOSAE
 - * AFRICAN LOCUST BEANS
 - PARKIA
 - PARKIA AFRICANA
 - PARKIA FILICOIDEA
 - PARKIA JAVANICA
 - PARKIA SPECIOSA

LEGUMINOSAE-PAPILIONOIDEAE

- AESCHYNOMENE
 - AESCHYNOMENE AMERICANA
- ALISTILUS
 - ALISTILUS JUMELLEI
- ALYSICARPUS
 - ALYSICARPUS LONGIFOLIUS
 - ALYSICARPUS OVALIFOLIUS
 - ALYSICARPUS VAGINALIS
- ARACHIS
 - ARACHIS GLABRATA
 - ARACHIS HYPOGAEA
 - ARACHIS MONTICOLA
 - ARACHIS PROSTRATA
- ATYLOSIA
 - ATYLOSIA ALBICANS
 - ATYLOSIA BARBATA
 - ATYLOSIA CAJANIFOLIA
 - ATYLOSIA CANDOLLEI
 - ATYLOSIA ELONGATA
 - ATYLOSIA GEMINIFLORA
 - ATYLOSIA GRANDIFOLIA
 - ATYLOSIA KULNENSIS
 - ATYLOSIA LINEATA
 - ATYLOSIA MOLLIS
 - ATYLOSIA NIVEA
 - ATYLOSIA PLATYCARPA

* LEGUMINOSAE

* JOINT VETCHES

* ALYCE CLOVERS

* GROUNDNUTS

* GREEN-MANURE LEGUMES

* CAJANUS

- ATYLOSIA ROSTRATA
 - ATYLOSIA RUGOSA
 - ATYLOSIA SCARABAEOIDES
 - ATYLOSIA SERICEA
 - ATYLOSIA VILLOSA
 - AUSTRODOLICHOS
 - AUSTRODOLICHOS ERRABUNDUS
 - CAJANUS
 - CAJANUS CAJAN
 - CAJANUS CAJAN BICOLOR
 - CAJANUS CAJAN FLAVUS
 - CALOPOGONIUM MUCUNOIDES
 - CANAVALIA
 - CANAVALIA CAMPYLOCARPA
 - CANAVALIA ENSIFORMIS DC
 - CANAVALIA GLADIATA
 - CANAVALIA MICROCARPA
 - CANAVALIA POLYSTACHA
 - CANAVALIA VIROSA
 - CICER
 - CICER ARIETINUM
 - CYAMOPSIS
 - CYAMOPSIS PSORALIOIDES
 - DECORSEA
 - DECORSEA DINTERI
 - DECORSEA GALPINII
 - DECORSEA LIVIDA
 - DECORSEA SCHLECHTERI
- * ATYLOSIA
 - * PIGEON PEAS
 - * BRABICON BEANS
 - * JACK BEANS
 - * SWORD BEANS
 - * CANAVALIA VIROSA
 - * CANAVALIA GLADIATA
 - * CHICK PEAS
 - * CLUSTER BEANS

- DESMODIUM

* TICK CLOVERS

- DESMODIUM ADSCENDENS
- DESMODIUM BARBATUM
- DESMODIUM CANUM
- DESMODIUM DIFFUSUM
- DESMODIUM DISTORTUM
- DESMODIUM GANGETICUM
- DESMODIUM GYROIDES
- DESMODIUM HETEROPHYLLUM
- DESMODIUM NICARAGUENSE
- DESMODIUM SALICIFOLIUM
- DESMODIUM SCORPIURUS
- DESMODIUM TORTUOSUM
- DESMODIUM UMBELLATUM
- DESMODIUM UNCINATUM

- DIOCLEA

- DIOCLEA REFLEXA

* TROPICAL GRAIN LEGUMES

- DIPOGON

- DIPOGON LIGNOSUS

DOLICHOS

- DOLICHOS BIANOENSIS
- DOLICHOS FILIFOLIOLUS
- DOLICHOS FRAGRANS
- DOLICHOS HASTIFORMIS
- DOLICHOS ICHTHYOPHONE
- DOLICHOS JUNGHUHNIANUS
- DOLICHOS JUNODII

- DOLICHOS KILIMANDSCHARICUS
- DOLICHOS LUALABENSIS
- DOLICHOS LUTICOLA
- DOLICHOS MAGNIFICUS
- DOLICHOS MENDONCAE
- DOLICHOS REPTANS
- DOLICHOS SERICEUS
 - DOLICHOS SERICEUS FORMOSUS
 - DOLICHOS SERICEUS GLABRESCENS
 - DOLICHOS SERICEUS PSEUDOFALCATUS
 - DOLICHOS SERICEUS SERICEUS
- DOLICHOS TRILOBUS L
 - DOLICHOS TRILOBUS OCCIDENTALIS
 - DOLICHOS TRILOBUS TRANSSVAALICUS
 - DOLICHOS TRILOBUS TRILOBUS
- GLYCINE WILLD
 - GLYCINE CANESCENS
 - GLYCINE CLANDESTINA
 - GLYCINE CLANDESTINA SERICEA
 - GLYCINE FALCATA
 - GLYCINE LATROBEANA
 - GLYCINE MAX * SOYBEANS
 - GLYCINE SOJA
 - GLYCINE TABACINA
 - GLYCINE TOMENTELLA
 - GLYCINE WIGHTII
 - GLYCINE WIGHTII PETITIANA

- GLYCINE WIGHTII PSEUDOJAVANICA
- GLYCINE WIGHTII WIGHTII
- KERSTINGIELLA
 - KERSTINGIELLA GEOCARPA * GEOCARPA GROUNDNUTS
- LABLAB ADANS
 - LABLAB PURPUREUS * LABLAB
 - LABLAB PURPUREUS BENGALENSIS
 - LABLAB PURPUREUS RHOMBOIDEUS
 - LABLAB PURPUREUS UNCINATUS
- LATHYRUS
 - LATHYRUS OCHRUS * CYPRUS VETCH
 - LATHYRUS SATIVUS * TROPICAL FORAGE LEGUMES
 - LATHYRUS SYLVESTRIS * TROPICAL FORAGE LEGUMES
 - LATHYRUS TINGITANUS * TANGIER PEAS
- LENS
 - LENS CULINARIS * LENTILS
- LESPEDEZA * LESPEDEZAS
 - LESPEDEZA CUNEATA
 - LESPEDEZA STIPULACEA
 - LESPEDEZA STRIATA
- LEUCAENA
- LOTONONIS
 - LOTONONIS BAINESII * TROPICAL FORAGE LEGUMES
 - LOTONONIS LAXA
- LUPINUS * LUPINS
 - LUPINUS ALBUS * WHITE LUPIN
 - LUPINUS PILOSUS
 - LUPINUS TERMIS * EGYPTIAN LUPIN

- MACROPTILIUM
 - MACROPTILIUM LONGEPEDUNCULATUM
- MACROTYLOMA
 - MACROTYLOMA AFRICANUM
 - MACROTYLOMA AXILLARE
 - MACROTYLOMA BIEENSE
 - MACROTYLOMA BREVICAULE
 - MACROTYLOMA CHRYSANTHEMUM
 - MACROTYLOMA CILIATUM
 - MACROTYLOMA DALTONII
 - MACROTYLOMA DENSIFLORUM
 - MACROTYLOMA DEWILDEMANIANUM
 - MACROTYLOMA ELLIPTICUM
 - MACROTYLOMA FIMBRIATUM
 - MACROTYLOMA HOCKII
 - MACROTYLOMA KASAIENSE
 - MACROTYLOMA KATANGENSE
 - MACROTYLOMA MARANGUENSE
 - MACROTYLOMA OLIGANTHUM
 - MACROTYLOMA RUPESTRE
 - MACROTYLOMA STENOPHYLLUM
 - MACROTYLOMA STIPULOSUM
 - MACROTYLOMA TENUIFLORUM
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 - MUCUNA
 - MUCUNA ATERRIMA
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 - MUCUNA HASSJOO
 - MUCUNA NIVEA
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 - PACHYRHIZUS
 - PACHYRHIZUS AHIPA
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 - PENTACLETHRA MACROPHYLLA
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 - PHASEOLUS ACUTIFOLIUS LATIFOLIUS
 - PHASEOLUS ADENANTHUS
 - PHASEOLUS COCCINEUS
 - PHASEOLUS HELVOLUS
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- PHASEOLUS SPHAERICUS
- PHASEOLUS VULGARIS * KIDNEY BEANS
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 - PISUM SATIVUM * COMMON PEAS
 - PISUM SATIVUM ABYSSINICUM * ABYSSINIAN PEAS
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 - PSEUDEMINIA BENGUELLENSIS
 - PSEUDEMINIA COMOSA
 - PSEUDEMINIA MENDONCAE
 - PSEUDEMINIA MUXIRIA
- PSEUDOVIGNA
 - PSEUDOVIGNA ARGENTEA
- PSOPHOCARPUS
 - PSOPHOCARPUS PALUSTRIS
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- VICIA SELLOI
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 - VIGNA ANGULARIS * ADZUKI BEANS
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 - NUTRITIONAL REQUIREMENTS
 - FERTILIZERS
 - LIME
 - NITROGEN FERTILIZERS
 - AMIDE FERTILIZERS
 - CALCIUM CYNAMIDE
 - UREA
- * HOEING
 - * COVER CROPS
 - * GRASSES
 - * PHYSICAL METHODS
 - * COVER CROPS
 - * HOEING
 - * WEEDS
 - * WEED CONTROL
 - * PODS
 - * ECOLOGY
 - * ENVIRONMENTAL EFFECTS
 - * PEDOCLIMATIC FACTORS * SOIL REQUIREMENTS
 - * PHENOLOGY
 - * WATER REQUIREMENTS
 - * LIGHT EFFECTS * SHADE
 - * PHOTOSYNTHESIS * SOLAR RADIATION
 - * STORAGE TEMPERATURE
 - * HOST-PLANT RESISTANCE
 - * SOIL REQUIREMENTS
 - * PLANT NUTRITION
 - * PLANT PHYSIOLOGICAL PROCESSES
 - * SOIL FERTILITY
 - * FERTILIZER DISTRIBUTORS
 - * PLACEMENT
 - PELLETING
 - * CALCIUM
 - * NITROGEN

- AMMONIUM FERTILIZERS
 - * DI-AMMONIUM PHOSPHATE
 - * MIXED FERTILIZERS
 - * MONO-AMMONIUM PHOSPHATE
- AMMONIA SOLUTIONS
- AMMONIUM ANHYDRIDE
- AMMONIUM CHLORIDE
 - * CHLORINE
- AMMONIUM SULPHATE
 - * SULPHUR
- MIXED FERTILIZERS
 - * AMMONIUM FERTILIZERS
 - * NITRATE FERTILIZERS
- AMMONIUM NITRATE
- AMMONIUM SULPHATE NITRATE
 - * SULPHUR
- CALCIUM AMMONIUM NITRATE
 - * CALCIUM
- NITRATE FERTILIZERS
 - * MIXED FERTILIZERS
- CALCIUM NITRATE
 - * CALCIUM
- POTASSIUM NITRATE
 - * POTASSIUM
- SODIUM NITRATE
 - * SODIUM
- PHOSPHATE FERTILIZERS
 - * PHOSPHORUS
- BASIC SLAG
- DI-AMMONIUM PHOSPHATE
 - * AMMONIUM FERTILIZERS
- DI-CALCIUM PHOSPHATE
 - * CALCIUM
- MONO-AMMONIUM PHOSPHATE
 - * AMMONIUM FERTILIZERS
- PHENANIAPHOSPHATE
- SUPERPHOSPHATE
 - CALCIUM SUPERPHOSPHATE
 - * CALCIUM
 - DOUBLE SUPERPHOSPHATE
 - TRIPLE SUPERPHOSPHATE
- POTASSIUM FERTILIZERS
 - * POTASSIUM
- POTASSIUM BICARBONATE
- POTASSIUM CHLORIDE
 - * CHLORINE

- POTASSIUM SULPHATE * SULPHUR
- SULPHATE OF POTASH-MAGNESIA * MAGNESIUM
* SULPHUR
- MANURES * HUMIFICATION
* NITROGEN
* PHOSPHORUS
* POTASSIUM
- DUNG
- GREEN MANURES * GREEN MANURING
* ROTATIONAL CROPS
- SOIL REQUIREMENTS * ECOLOGY
* ENVIRONMENTAL EFFECTS
* PEDOCLIMATIC FACTORS
* SOIL TEMPERATURE
* SOILS
* WATER REQUIREMENTS
- DRAINAGE * WATER MANAGEMENT
- SOIL FERTILITY * FALLOWING
* NUTRITIONAL REQUIREMENTS
* SOIL MICROBIOLOGY
- COMPOSTING
- GREEN MANURING * GREEN MANURES
- SOIL IMPOVERISHMENT
- SOIL MICROBIOLOGY * SOIL FERTILITY
* SOIL TRANSMISSION
- SOIL FAUNA * ECOLOGY
* SOIL POPULATIONS
- SOIL FLORA * ECOLOGY
* SOIL POPULATIONS
- ESCHERICHIA COLI
- KLEBSIELLA
- RHIZOBIA * INFECTION * DISEASES AND PATHOGENS
* INOCULATION
- INOCULANTS
* NITROGEN FIXATION * NITROGEN
* INORGANIC NITROGEN
* NODULATION
* PHAGES
* RHIZOBIAL REACTIONS * PESTICIDE EFFECTS
- ANTAGONISTS * ANTAGONISM
ANTIBIOTIC RESISTANCE
* SEROTYPING

- RHIZOBIUM STRAINS

- SOIL POROSITY
- SOIL REACTIONS

- * HYDROGEN-ION CONCENTRATION
- * STRESS FACTORS
- * SALINITY
- * SOIL CHEMISTRY
- * SOILS
- * CLIMATIC REQUIREMENTS
- * DROUGHT
- * ARID LAND
- * HOST-PLANT RESISTANCE
- * ECOLOGY
- * ENVIRONMENTAL EFFECTS
- * RAINFALL
 - RAINFALL PATTERNS
 - * SEASONS
- * SOIL REQUIREMENTS
- * TRANSPIRATION
- * WATER MANAGEMENT
 - EROSION
 - IRRIGATION
 - RUN-OFF
- * DRAINAGE
- * COVER CROPS
- * EROSION
- * WATER STRESS
- * WATER-LOGGING

SEASONS

- * RAINFALL PATTERNS
- * SEASONAL DEVELOPMENT
- * KHARIF SEASON
- * AUTUMN
- * SPRING
- * RABI SEASON

- AUTUMN
- DRY SEASON
- KHARIF SEASON
- RABI SEASON
- SPRING
- SUMMER
- WET SEASON
- WINTER

SOILS

- * SOIL CHEMISTRY
- * SOIL REQUIREMENTS

- CLAYS
- LOAMS
- ORGANIC MATTER
- SANDS
- SILTS

PROPAGATION MATERIALS

- CUTTINGS
- SEED
 - CERTIFIED SEED
 - SEED CHARACTERS
 - SEED COLOUR
 - SEED QUALITY
 - GERMINATION TESTS
 - MOISTURE TESTS
 - PURITY ANALYSIS
 - SEED SHAPE
 - SEED SIZE
 - SEED VIABILITY

- * CLONES
- * PROPAGATION

- * BREEDING
- * SEEDS
- * SOWING

- * GERMINABILITY
- * SEED VIABILITY

- * SEED STORAGE
- * GERMINATION TESTS

FARMING SYSTEMS

- CULTIVATION SYSTEMS
 - FALLOWING
 - MIXED CROPPING
 - MONOCULTURE
 - MULTIPLE CROPPING
 - ROTATIONAL CROPPING
 - SECONDARY CROPPING
 - SHIFTING CULTIVATION
- MIXED FARMING

- * CULTIVATION
- * ECONOMICS
- * MANAGEMENT PRACTICES

- * SOIL FERTILITY

- * ROTATIONAL CROPS

- * SECONDARY CROPS

- * CLEARING

ROTATIONAL CROPS

- * CEREALS
 - MAIZE
 - MILLETS
 - RICE
 - SORGHUMS
 - WHEAT
- * GRASSES
- * ROTATIONAL CROPPING
- * COTTON

HARVESTING

- * CULTIVATION
- * DETERMINACY
- * HARVESTING EQUIPMENT
- * THRESHING

- MECHANIZED HARVESTING
- PICKING

FARM IMPLEMENTS

- CULTIVATION EQUIPMENT

- CULTIVATORS

- * HOES
- * PLOUGHING

- HOES

- * CULTIVATORS
- * HOEING

- DIGGING HOES

- * PLOUGHING

- PLOUGHS

- * PLOUGHING

- RAKES

- * RAKING

- SPADES

- * PLOUGHING

- HARROWS

- * HARROWING

- FERTILIZER DISTRIBUTORS

- * FERTILIZERS

- SOWING EQUIPMENT

- * SOWING

- BROADCAST SEEDERS

- SEED DRILLS

- HARVESTING EQUIPMENT

- * HARVESTING

- HARVESTERS

- MOWERS

- REAPING KNIVES

- SCYTHES

- SICKLES
 - PLANT PROTECTION EQUIPMENT
 - PLANT NUTRITION
 - NUTRIENT UPTAKE
 - MINERALS AND NUTRIENTS
 - ALUMINIUM
 - BORON
 - CALCIUM
 - CHLORINE
 - COPPER
 - IRON
 - MAGNESIUM
 - MANGANESE
 - MOLYBDENUM
 - NITROGEN
 - INORGANIC NITROGEN
 - SOIL NITROGEN
 - OXYGEN
 - PHOSPHORUS
- * PLANT PROTECTION
 - * MINERALS AND NUTRIENTS
 - * NUTRITIONAL REQUIREMENTS
 - * TRANSLOCATION
 - * FEED CONSTITUENTS
 - * MINERAL CONTENT
 - * MINERAL DEFICIENCIES
 - * PLANT NUTRITION
 - * CALCIUM AMMONIUM NITRATE
 - * CALCIUM CYANAMIDE
 - * CALCIUM NITRATE
 - * CALCIUM SUPERPHOSPHATE
 - * DI-CALCIUM PHOSPHATE
 - * LIME
 - * AMMONIUM CHLORIDE
 - * POTASSIUM CHLORIDE
 - * SULPHATE OF POTASH-MAGNESIA
 - * MANURES
 - * NITROGEN CONVERSION
 - * NITROGEN FERTILIZERS
 - * NITROGEN FIXATION
 - * NITROGENASE
 - * PROTEINS
 - * NITROGEN FIXATION
 - * PHOTOSYNTHESIS
 - * LIPOXYGENASE
 - * MANURES
 - * PHOSPHATE FERTILIZERS

- POTASSIUM

* MANURES
* POTASSIUM FERTILIZERS
* POTASSIUM NITRATE

- SODIUM

* SODIUM NITRATE

- SULPHUR

* AMINO ACIDS
* AMMONIUM SULPHATE
* AMMONIUM SULPHATE NITRATE
* POTASSIUM SULPHATE
* SULPHATE OF POTASH-MAGNESIA

- ZINC

ENVIRONMENTAL EFFECTS

* AGRONOMY
* ALTITUDE
* CLIMATIC REQUIREMENTS
* LATITUDE
* PLANT WEATHERING
* SOIL REQUIREMENTS
* WATER REQUIREMENTS

- LIGHT EFFECTS

* DAYLENGTH * PHOTOPERIOD
* PLANT DEVELOPMENT

* LIGHT

- MOISTURE EFFECTS

* STORAGE RELATIVE HUMIDITY

- TEMPERATURE EFFECTS

- WIND EFFECTS

STRESS FACTORS

- HYDROGEN-ION CONCENTRATION

- WATER STRESS

* WATER REQUIREMENTS

TIMING

* AGE
* PLANTING
* SEQUENCE * PROTANDRY
* PROTOGYNY

E FIELD AND STORAGE PESTS (INCLUDING DISEASES)

PESTS

- * CROP LOSSES
- * DETERIORATION
- * ECOLOGY
- * HOST RANGE
- * PEST CONTROL
- * YIELD LOSS

- DISEASES AND PATHOGENS

- * DISEASE CONTROL
- * EPIDEMIOLOGY
- * INFECTION
- * PLANT PATHOLOGY
- * ALTERNATIVE HOSTS
- * RACES
- * DISEASE TRANSMISSION
 - VIRUS TRANSMISSION
 - NON-PERSISTENT VIRUSES
 - PERSISTENT VIRUSES
 - * VIROSES
 - * VECTORS
 - INSECT TRANSMISSION
 - * INJURIOUS INSECTS
 - * VECTORS
 - NEMATODE TRANSMISSION
 - * NEMATODES
 - * VECTORS
 - SEED TRANSMISSION
 - * SEED
 - * SEED-BORNE DISEASES
 - SOIL TRANSMISSION
 - * SOIL-BORNE DISEASES
 - * SOIL MICROBIOLOGY
- * SEEDLING DISEASES
- * HOST RANGE

- BACTERIOSES

- BACILLUS SPP
- CORYNEBACTERIUM FLACCUMFACIENS
- PSEUDOMONAS GLYCINEA
- PSEUDOMONAS PHASEOLICOLA
- PSEUDONOMAS PISI
- PSEUDONOMAS SOLANACEARUM
- PSEUDONOMAS SYRINGAE
- SOYBEAN BACTERIAL SEED DECAY
- SOYBEAN SEEDLING BLIGHT

- * SOYBEAN BACTERIAL SEED DECAY
- * SOYBEAN SEEDLING BLIGHT

- * BACILLUS SPP
- * BACILLUS SPP

- XANTHOMONAS PHASEOLI
- XANTHOMONAS PHASEOLI SOJENSE
- XANTHOMONAS VIGNICOLA

- MYCOPLASMOSES

- MYCOSES

* MOULDS

- ALTERNARIA ALTERNATA
- APHANOMYCES EUTEICHES
- ASCOCHYTA FABAE
- ASCOCHYTA PISI
- ASCOCHYTA PUNCTATA
- ASCOCHYTA RABIEI
- ASPERGILLUS FLAVUS

* ANTAGONISTS

- ASPERGILLUS NIGER
- ASPERGILLUS RUBER
- BOTRYTIS CINEREA
- BOTRYTIS FABAE
- CALONECTRIA UNISEPTATA
- CEPHALOSPORIUM GREGATUM
- CERCOSPORA CANESCENS
- CERCOSPORA CRUENTA
- CERCOSPORA KIKUCHII
- CERCOSPORA LEAF SPOT
- CERCOSPORA SOJINA
- CHOANEPHORA CUCURBITARUM
- COLLETOTRICHUM LINDEMUTHIANUM
- COLLETOTRICHUM TRUNCATUM
- CORTICIUM ROLFSII
- CORTICIUM SASAKII

* CERCOSPORA LEAF SPOT

* CERCOSPORA LEAF SPOT

* CERCOSPORA CANESCENS

* CERCOSPORA CRUENTA

- CORYNESPORA CASSIICOLA
- COWPEA WET STEM ROT
- DIAPORTHE PHASEOLORUM CAULIVORA
- DIAPORTHE PHASEOLORUM SOJAE * SOYBEAN POD AND STEM BLIGHT
- ELSINOE PHASEOLI
- ERYSIPHE COMMUNIS PISI * PEA POWDERY MILDEW
- FUSARIUM OXYSPORUM
- FUSARIUM OXYSPORUM FABAE
- FUSARIUM OXYSPORUM LENTIS
- FUSARIUM OXYSPORUM PISI * PEA POWDERY MILDEW
- FUSARIUM SOLANI
- FUSARIUM SOLANI PHASEOLI
- FUSARIUM UDUM
- LEPTOSPHAERULINA CRASSIASCA
- MACROPHOMINA PHASEOLINA
- MYCOSPHAERELLA ARACHIDIS
- MYCOSPHAERELLA BERKELEYI
- MYCOSPHAERELLA PINODES
- PEA POWDERY MILDEW * ERYSIPHE COMMUNIS PISI
* FUSARIUM OXYSPORUM PISI
- PERONOSPORA MANSURICA
- PHAKOPSORA PACHYRHIZI
- PHOMOPSIS SOJAE * SOYBEAN POD AND STEM BLIGHT
- PHYTOPHTHORA MEGASPERMA SOJAE * HYDROXYPHASEOLLIN
- PHYTOPHTHORA PHASEOLI
- PHYTOPHTHORA VIGNAE
- PROTOMYCOPSIS PATELII
- PUCCINIA ARACHIDIS
- PYTHIUM APHANIDERMATUM

- PYTHIUM DEBARYANUM
 - PYTHIUM ULTIMUM
 - RHIZOCTONIA SOLANI
 - RHIZOPUS ARRHIZUS
 - SEPTORIA GLYCINES
 - SOYBEAN POD AND STEM BLIGHT
 - THIELAVIOPSIS BASICOLA
 - TRICHODERMA VIRIDE
 - UROMYCES APPENDICULATUS
 - UROMYCES CICERIS-ARIETINI
 - UROMYCES VICIAE-FABAE
 - UROMYCES VIGNAE
 - VIROSES
 - ALFALFA DWARF VIRUS
 - ALFALFA MOSAIC VIRUS
 - BEAN COMMON MOSAIC VIRUS
 - BEAN LEAF ROLL VIRUS
 - BEAN POD MOTTLE VIRUS
 - BEAN SOUTHERN MOSAIC VIRUS
 - BEAN YELLOW MOSAIC VIRUS
 - BROAD BEAN MOTTLE VIRUS
 - BROAD BEAN STAIN VIRUS
 - COWPEA CHLOROTIC MOTTLE VIRUS
 - COWPEA MOSAICS
- * DIAPORTHE PHASEOLORUM SOJAE
 - * PHOMOPSIS SOJAE
 - * ANTAGONISTS
 - * CHLOROSIS
 - * VIRUS INHIBITION
 - * VIRUS TRANSMISSION
 - * BEAN YELLOW MOSAIC VIRUS
 - * COWPEA APHID-BORNE MOSAIC VIRUS
 - * PEA MOSAIC VIRUS
 - * SOYBEAN MOSAIC VIRUS
 - * SOYBEAN DWARF VIRUS
 - * COWPEA MOSAIC VIRUS
 - * BEAN COMMON MOSAIC VIRUS
 - * PEA MOSAIC VIRUS
 - * SOYBEAN MOSAIC VIRUS
 - * COWPEA MOSAIC VIRUS
 - * COWPEA (CHAVALI) MOSAIC VIRUS

- COWPEA APHID-BORNE MOSAIC VIRUS
 - ASPARAGUS BEAN MOSAIC VIRUS
 - COWPEA MOSAIC VIRUS
 - * BEAN POD MOTTLE VIRUS
 - * BROAD BEAN STAIN VIRUS
- COWPEA MOTTLE VIRUS
- DOLICHOS ENATION MOSAIC VIRUS
 - * TOBACCO MOSAIC VIRUS
- DOLICHOS LABLAB YELLOW MOSAIC VIRUS
- DOUBLE BEAN YELLOW MOSAIC VIRUS
- GROUNDNUT MOSAICS
 - GROUNDNUT MOSAIC ROSETTE
 - * GROUNDNUT ROSETTE VIRUS
 - * GROUNDNUT MOTTLE VIRUS
 - GROUNDNUT MOSAIC VIRUS
- GROUNDNUT MOTTLE VIRUS
 - * GROUNDNUT MOSAIC ROSETTE
- GROUNDNUT ROSETTE VIRUS
 - * GROUNDNUT MOSAIC ROSETTE
- GROUNDNUT STUNT DISEASE VIRUS
- GROUNDNUT WITCHES BROOM VIRUS
- PEA MOSAICS
 - PEA ENATION MOSAIC VIRUS
 - PEA MOSAIC VIRUS
 - * BEAN COMMON MOSAIC VIRUS
 - * BEAN YELLOW MOSAIC VIRUS
- PEA STREAK VIRUS
 - SWEETCLOVER VIRUS
- PIGEON PEA MOSAICS
 - PIGEON PEA PALE MOSAIC VIRUS
 - PIGEON PEA STERILITY MOSAIC VIRUS
 - PIGEON PEA YELLOW MOSAIC VIRUS
- SOYBEAN DWARF VIRUS
 - * BEAN LEAF ROLL VIRUS
- SOYBEAN MOSAIC VIRUS
 - * BEAN COMMON MOSAIC VIRUS
 - * BEAN YELLOW MOSAIC VIRUS

- SOYBEAN POD MOTTLE VIRUS
 - SOYBEAN STUNT VIRUS
 - SOYBEAN WITCHES BROOM VIRUS
 - SOYBEAN YELLOW STIPPLE VIRUS
 - TOBACCO MOSAIC VIRUS
 - CROTALARIA MOSAIC VIRUS
 - COWPEA (CHAVALI) MOSAIC VIRUS
 - TOBACCO RING SPOT VIRUS
 - TOBACCO STREAK VIRUS
 - NOXIOUS ANIMALS
 - BIRDS
 - INJURIOUS INSECTS
 - COLEOPTERA
 - ACANTHOSCELIDES OBTECTUS
 - ALCIDODES DENTIPES
 - APION SPP
 - CALLOSOBRUCHUS CHINENSIS
 - CALLOSOBRUCHUS MACULATUS
 - CEROTOMA SPP
 - COLASPIS BRUNNEA
 - CORYNA SPP
 - DIABROTICA LONGICORNIS
 - DIABROTICA UNDECIMPUNCTATA HOWARDI
 - DIABROTICA VIRGIFERA
 - EPICAUTA ALBOVITTATA
- * DOLICHOS ENATION MOSAIC VIRUS
- * COWPEA MOSAICS
- * BUD BLIGHTS
- * BUD BLIGHTS
- * STORED PRODUCTS PESTS
- * ENTOMOLOGY
- * INSECT CONTROL
- * INSECT TRANSMISSION
- * VECTORS
- * STORED PRODUCTS PESTS
- * STORED PRODUCTS PESTS
- * STORED PRODUCTS PESTS

- EPILACHNA VARIVESTIS
- GRAPHOGNATHUS SPP
- MYLABRIS SPP
- OOTHECA MUTABILIS
- ORYZAEPHILUS MERCATOR * STORED PRODUCTS PESTS
- ORYZAEPHILUS SURINAMENSIS * STORED PRODUCTS PESTS
- PLAGIODERA INCLUSA
- SCHIZONYCHA SPP
- SYSTATES SPP
- TRIBOLIUM CASTANEUM * STORED PRODUCTS PESTS
- DIPTERA
 - HYLEMYA PLATURA
 - LIRIOMYZA TRIFOLII
 - MELANAGROMYZA
 - MELANAGROMYZA OBTUSA
 - MELANAGROMYZA PHASEOLI
- HEMIPTERA
 - HETEROPTERA
 - ACANTHOMIA SPP
 - ACROSTERNUM HILARE
 - HELOPELTIS SCHOUTEDENI
 - LYGUS LINEOLARIS
 - NEZARA VIRIDULA
 - PODISUS MACULIVENTRIS
 - HOMOPTERA
 - ACYRTHOSIPHON PISUM
 - APHIS CRACCIVORA
 - APHIS FABAE
 - APHIS GLYCINES
 - BEMISIA TABACI

- DYSMICOCCLUS BREVIPES
 - EMPOASCA SPP
 - ICERYA PURCHASI
 - PSEUDOCOCCUS SPP
 - LEPIDOPTERA
 - AGROTIS IPSILON
 - AGROTIS SEGETUM
 - ANTICARSIA GEMMATALIS
 - COLIAS EURYTHEME
 - CYDIA PTYCHORA
 - ELASMOPALPUS LIGNOSELLUS
 - ETIELLA ZINCKENELLA
 - HELIOTHIS ARMIGERA
 - HELIOTHIS ZEA
 - LASPEYRESIA GLYCINIVORELLA
 - MARUCA TESTULALIS
 - PLATHYPENA SCABRA
 - PLUSIA ORICHALCEA
 - SITOTROGA CEREALELLA
 - SPODOPTERA EXIGUA
 - SPODOPTERA LITTORALIS
 - SYLEPTA DEROGATA
 - ORTHOPTERA
 - HILDA PATRUELIS
 - THYSANOPTERA
 - FRANKLINIELLA SCHULZEI
 - SERICOTHRIPS VARIABILIS
 - TAENIOTHRIPS SJOSTEDTI
- * STORED PRODUCTS PESTS

- INJURIOUS MITES

* ENTOMOLOGY
* MITE CONTROL

- TETRANYCHUS CINNABARINUS
- TETRANYCHUS URTICAE

- NEMATODES

* NEMATODE CONTROL
* NEMATODE TRANSMISSION

- BELONOLAIMUS GRACILIS
- HELICOTYLENCHUS CAVENESSI
- HELICOTYLENCHUS PSEUDOROBUSTUS
- HEMICYCLIOPHORA ARENARIA
- HETERODERA
 - HETERODERA GLYCINES
 - HETERODERA SCHACHTII
- HOPLOLAIMUS SEINHORSTI
- PELTAMIGRATUS NIGERIENSIS
- PRATYLENCHUS BRACHYURUS
- PRATYLENCHUS VULNUS
- RADOPHOLUS SIMILIS
- ROOT-KNOT NEMATODES
 - MELOIDOGYNE
 - MELOIDOGYNE ARENARIA
 - MELOIDOGYNE ETHIOPICA
 - MELOIDOGYNE HAPLA
 - MELOIDOGYNE INCOGNITA
 - MELOIDOGYNE INCOGNITA ACRITA
 - MELOIDOGYNE JAVANICA
- ROTYLENCHULUS RENIFORMIS
- SCUTELLONEMA BRADYS
- SCUTELLONEMA CLATHRICAUDATUM
- TRICHODORUS CHRISTIEI

- XIPHINEMA AMERICANUM
 - XIPHINEMA BASIRI
 - RODENTS
 - MICE
 - RATS
 - WEEDS
- ABIOTIC DISEASE AGENTS
- AIR POLLUTION
 - PESTICIDE EFFECTS
 - PHYTOTOXICITY
- STORED PRODUCTS PESTS
- * ACANTHOSCELIDES OBTECTUS
 - * CALLOSOBRUCHUS CHINENSIS
 - * CALLOSOBRUCHUS MACULATUS
 - * NOXIOUS ANIMALS
 - * ORYZAEPHILUS MERCATOR
 - * ORYZAEPHILUS SURINAMENSIS
 - * SITOTROGA CEREALELLA
 - * TRIBOLIUM CASTANEUM
- PLANT PROTECTION
- PEST CONTROL
 - * PLANT PROTECTION EQUIPMENT
 - * HOST-PLANT RESISTANCE
 - * INTEGRATED CONTROL
 - * PEST CONTROL METHODS
 - * PEST RESISTANCE
 - * PESTICIDES
 - * PESTS
 - DISEASE CONTROL
 - * BIOLOGICAL CONTROL
 - * DISEASES AND PATHOGENS
 - * HOST-PLANT RESISTANCE
 - * PLANT PATHOLOGY
 - FUNGICIDES
 - * PESTICIDES
 - VIRUS INHIBITION
 - * VIROSES
 - ANTISERA
 - * ANTIBODIES
- * RODENT CONTROL
 - * WEED CONTROL
 - * DEFICIENCIES
 - * DISEASES AND PATHOGENS
 - * ENVIRONMENTAL EFFECTS
 - * PLANT PHYSIOLOGICAL DISORDERS
 - * PESTICIDES
 - * RHIZOBIAL REACTIONS

- INSECT CONTROL
 - * BIOLOGICAL CONTROL
 - * ENTOMOLOGY
 - * INJURIOUS INSECTS
- INSECTICIDES
 - * INDUSTRIAL USES
 - * PESTICIDES
- MITE CONTROL
 - * BIOLOGICAL CONTROL
 - * ENTOMOLOGY
 - * INJURIOUS MITES
- ACARICIDES
 - * PESTICIDES
- NEMATODE CONTROL
 - * NEMATODE
- NEMATICIDES
 - * PESTICIDES
- RODENT CONTROL
 - * RODENTS
- RODENTICIDES
 - * PESTICIDES
- PEST CONTROL METHODS
 - * PEST CONTROL
- FUMIGATION
- PHYSICAL METHODS
 - * PLOUGHING
 - * PRUNING
 - * ROGUING
- ELECTRO-MAGNETIC CONTROL
- SEED TREATMENT
- SOIL TREATMENT
- SPRAYING
- PLANT QUARANTINE
 - * PLANT INTRODUCTION
- WEED CONTROL
 - * WEEDING
 - * WEEDS
- HERBICIDES
 - * PESTICIDES
 - * PLANT-GROWTH SUBSTANCES
- PRE-EMERGENCE HERBICIDES
 - * EMERGENCE
- SYNTHETIC AUXINS
 - * AUXINS
- PLANT PATHOLOGY
 - * DISEASE CONTROL
 - * DISEASE AND PATHOGENS
 - * PLANT PHYSIOLOGICAL DISORDERS

ENTOMOLOGY

- * INJURIOUS INSECTS
- * INJURIOUS MITES
- * INSECT AGENTS
- * INSECT CONTROL
- * MITE CONTROL
- * POLLINATING INSECTS

- INSECT BIOLOGY

- INSECT BEHAVIOUR
- INSECT BIONOMICS
- INSECT POPULATIONS

PESTICIDES

- * PEST CONTROL
- * PESTICIDE EFFECTS
- * PESTICIDE RESIDUES
- * PESTICIDE RESISTANCE
- * PESTICIDE TOLERANCES

- ACARICIDES

- AMINOCARB
- AZINPHOS-ETHYL
- AZINPHOS-METHYL
- BINAPACRYL
- BROMOPHOS
- CHLORBENSIDE
- CHLORBICYCLEN
- CHLORFENSON
- CHLOROBENZILATE
- COUMAPHOS
- DEMETON-O
- DEMETON-O-METHYL
- DIAZINON
- DICHLORVOS
- DICOFOL

- DIMEFOX
 - DIMETHOATE
 - DINOCAP
 - DINOSAM
 - DISULFOTON
 - DNOC
 - ENDOSULFAN
 - ENDOTHION
 - FENGLORPHOS
 - FENSON
 - FLUORBENSIDE
 - MALATHION
 - MECARBAM
 - MEVINPHOS
 - NALED
 - PARATHION
 - PHORATE
 - PHOSPHAMIDON
 - SCHRADAN
 - TEPP
 - TETRASUL
 - THIOMETON
 - THIOQUINOX
- FUNGICIDES
- BENOMYL
 - BINAPACRYL
 - CAPTAN

- CARBOXIN
- CHLORANIL
- CHLOROPICRIN
- CYCLOHEXIMIDE
- DICHLONE
- DINOCAP
- DNOC
- DODINE
- FENTIN
- FERBAM
- MANEB
- NABAM
- THIOQUINOX
- THIRAM
- ZINEB

- HERBICIDES

- ATRAZINE
- BROMACIL
- CHLORAZINE
- CHLORBROMURON
- CHLOROPICRIN
- CHLORPROPHAM
- CYCLURON
- 2, 4-D
- DALAPON
- DI-ALLATE
- DICHLORPROP

* PLANT-GROWTH SUBSTANCES

- DINOSAM
 - DIQUAT
 - DIURON
 - DNOC
 - ERBON
 - FENOPROP
 - IOXYNIL
 - IPAZINE
 - MALEIC HYDRAZIDE
 - MCPA
 - MONURON
 - PARAQUAT
 - PICLORAM
 - PRE-EMERGENCE HERBICIDES
 - PROPANIL
 - PROPHAM
 - SIMAZINE
 - SYNTHETIC AUXINS
 - 2, 4, 5-T
 - TCA
 - TRIFLURALIN
 - INSECTICIDES
 - ALDRIN
 - AMINOCARB
 - AZINPHOS-ETHYL
 - AZINPHOS-METHYL
 - BHC
- * INDUSTRIAL USES

- BROMOPHOS
- BUTONATE
- CAMPHECHLOR
- CARBARYL
- CHLORBICYCLEN
- CHLORDANE
- CHLOROPICRIN
- COUMAPHOS
- DDT
- DEMETON-O
- DEMETON-O-METHYL
- DIAZINON
- DICHLORVOS
- DIELDRIN
- DIMEFOX
- DIMETHOATE
- DINOSAM
- DISULFOTON
- DNOC
- ENDOSULFAN
- ENDOTHION
- ENDRIN
- FENCHLORPHOS
- HEPTACHLOR
- LINDANE
- MALATHION
- MECARBAM

- MENAZON
- METHOXYCHLOR
- MEVINPHOS
- NALED
- NICOTINE
- PARATHION
- PHORATE
- PHOSPHAMIDON
- PYRETHRINS
- ROTENONE
- SCHRADAN
- TEPP
- THIOMETON
- NEMATICIDES
 - CHLOROPICRIN
- RODENTICIDES
- SYSTEMIC PESTICIDES

BIOLOGICAL CONTROL

- INSECT AGENTS
 - PARASITIC INSECTS
 - PARASITIC MITES
 - PREDACIOUS INSECTS
 - PREDACIOUS MITES

* TRANSLOCATION

- * BIOLOGICAL COMPETITION
- * DISEASE CONTROL
- * INSECT CONTROL
- * INTEGRATED CONTROL
- * MITE CONTROL

* ENTOMOLOGY

* BENEFICIAL ARTHROPODS

* PARASITISM

* PARASITISM

F PRODUCTS

COMPOSITION

- ASH CONTENT
- CARBOHYDRATE CONTENT
 - SOLUBLE CARBOHYDRATES
 - SUGARS
 - DEOXYRIBOSE
 - HEXOSE SUGARS
 - FRUCTOSE
 - GALACTOSE
 - GLUCOSE
 - MALTOSE
 - RIBOSE
 - SUCROSE
 - STARCH CONTENT
 - CONCAVALINS
 - DRY MATTER
 - FAT CONTENT
 - FATTY ACIDS
 - SATURATED FATTY ACIDS

- * ANALYSIS
- * BIOCHEMISTRY
- * NUTRITIVE VALUE

* NUCLEOTIDES

* DNA

* PHOSPHOGLYCERIC ACID

* SUCROSE

* CYANOGENETIC GLYCOSIDES

* MALTOSE

* SUCROSE

* GLUCOSE

* MALTASE

* RNA

* FRUCTOSE

* GLUCOSE

* SUCRASE

* JACK BEANS

* OILS

* ENDOSPERM

* OIL EXTRACTION

* PROCESSED PRODUCTS

* LECITHIN

- CRUDE OILS

- DEGUMMED OILS

* LIPO-PROTEIN

* LIPOXYGENASE

* PROTEIN CONTENT

- ARACHIDIC ACID
 - BEHENIC ACID
 - LAURIC ACID
 - LIGNOSERIC ACID
 - MYRISTIC ACID
 - PALMITIC ACID
 - STEARIC ACID
 - UNSATURATED FATTY ACIDS
 - ARACHIDONIC ACID
 - DODECENOIC ACIDS
 - LINOLEIC ACID
 - LINOLENIC ACID
 - OLEIC ACID
 - PALMITOLEIC ACID
 - FIBRE CONTENT
 - CELLULOSE
 - HCN CONTENT
 - MINERAL CONTENT
 - NITROGEN CONTENT
 - PROTEIN NITROGEN CONTENT
 - TOTAL NITROGEN
 - PROTEIN CONTENT
 - AMINO ACIDS
- * CELL WALLS
 - * HCN
 - * TOXICITY
 - * MINERALS AND NUTRIENTS
 - * PROTEIN CONTENT
 - * GRADING
 - * LIPO-PROTEIN
 - * NITROGEN CONTENT
 - * NSI
 - * PDI
 - * PROTEIN NITROGEN CONTENT
 - * PROTEIN SYNTHESIS
 - * PROTEINS
 - * GENETIC CODE
 - * PEPTIDES
 - * PROTEIN SYNTHESIS
 - * SULPHUR
 - * TRANSFER RNA

* LINAMARIN

- ALANINE
- ARGININE
- ASPARTIC ACID
- CYSTEINE
- CYSTINE
- GLUTAMIC ACID
- GLYCINE
- HISTIDINE
- ISOLEUCINE
- LEUCINE
- LYSINE
- METHIONINE
- ORNITHINE
- PHENYLALANINE
- PROLINE
- SERINE
- THREONINE
- TRYPTOPHANE
- TYROSINE
- VALINE

- VITAMIN CONTENT

- ASCORBIC ACID
- NICOTINIC ACID
- VITAMIN B
 - RIBOFLAVIN
 - THIAMIN
 - VITAMIN B12

- WATER CONTENT

PROTEINS

- * NITROGEN
- * NITROGEN CONVERSION
- * PROTEIN CONTENT
- * PROTEIN QUALITY
- * RIBOSOMES

PROTEIN SYNTHESIS

- * AMINO ACIDS
- * CYTOKININS
- * GENETIC CODE
- * NITROGEN CONVERSION
- * PEPTIDES
- * PLANT ASSIMILATION

METABOLIC INHIBITORS

- TRYPSIN INHIBITORS

- * HEATING

PRODUCTS

- FRESH PRODUCTS

- VEGETABLES

- HULLS

- PROCESSED PRODUCTS

- CAKES

- FLAKES

- GRITS

- ISOLATED PROTEINS

- * FOOD PRODUCTS

- * FEED CONSTITUENTS

- * FLOURS

- * OILS

- * FEED CONSTITUENTS

- LECITHIN

- MEALS

- PROTEIN CONCENTRATES

- SPUN PROTEIN FIBRES

- TEXTURIZED PROTEINS

- * ISOELECTRIC PROTEIN

- * PROTEINATES

- * PROTEIN CURD

- * WHEY

- * FOOD ADDITIVES

- * OILS

- * FEED CONSTITUENTS

PRODUCT QUALITY

- GRADING

* PARTICLE SIZE
* PROTEIN CONTENT

PROCESSING

- CENTRIFUGING

- CLEANING

- CRACKING

- DESOLVENTIZING

- DRYING

* MECHANIZATION
* NUTRIENT LOSS
* PROCESSING EQUIPMENT
* PROCESSING PLANTS

- EXTRUSION

* DRIERS
* STORAGE RELATIVE HUMIDITY
* STORAGE STRUCTURES

- FLAKING

* EXTRUDERS

- FOAMING

* FOAMING CAPACITY

- FREEZING

- GRINDING

* GRINDERS

- HEATING

* TRYPSIN INHIBITORS
* TOASTING

- HYDRATING

- OIL EXTRACTION

* EXTRACTORS
* OILS

- PACKAGING

* DISTRIBUTION
* USES

- CANNING

- SIEVING

- THRESHING

* HARVESTING
* THRESHERS

- TOASTING

* HEATING

PROCESSING EQUIPMENT

- DRIERS

- EXTRACTORS

- EXTRUDERS

- GRINDERS

- THRESHERS

* PROCESSING

* DRYING

* DESICCANTS

* OIL EXTRACTION

* EXTRUSION

* GRINDING

* THRESHING

HANDLING

- CONVEYING

* DISTRIBUTION

STORAGE

- HOUSEHOLD STORAGE

- GRAIN STORAGE

- SEED STORAGE

* DETERIORATION

* MOULDS * MYCOSES

* PESTS

- MECHANICAL DAMAGE

* DISTRIBUTION

* STORAGE CONDITIONS

- STORAGE RELATIVE HUMIDITY

* DRYING

* MOISTURE EFFECTS

- STORAGE TEMPERATURE

* TEMPERATURE

* STORAGE STRUCTURES * AERATION

* VENTILATION

- AIR FLOW

* DRYING

- SILOS

- STORAGE BINS

- STOREROOMS

* HOME ECONOMICS

* SEED VIABILITY

DISTRIBUTION

* HANDLING

* MARKETING

* PACKAGING

* STORAGE

WASTES

* PRODUCTIVITY

* WASTE UTILIZATION

G UTILIZATION

USES

- FEEDS AND FEEDING
 - FATTENING
 - FEED CONSTITUENTS
 - FEED MIXTURES
 - FINISHING
 - FODDERS
 - FORAGE
 - MILK REPLACERS
 - PET FOODS
 - SILAGE
 - FOOD PRODUCTS
 - BAKED CAKES
 - BEVERAGES
 - BISCUITS
 - BREADS
 - CEREAL FOODS
 - CONDIMENTS
 - SAUCES
- * ECONOMIC ASPECTS
 - * PACKAGING
 - * SOCIAL ASPECTS
 - * WASTE UTILIZATION
 - * DOMESTIC ANIMALS
 - * NUTRITION
 - * WASTE UTILIZATION
 - * CAKES
 - * CONCENTRATES
 - * HULLS
 - * MINERALS AND NUTRIENTS
 - * SILAGE
 - * MILK
 - * FODDERS
 - * MEALS
 - * NUTRITION
 - * DOUGHS
 - * SOYMILK
 - * DOUGHS
 - * DOUGHS
 - * BAKED CAKES
 - * BISCUITS
 - * EMULSIFIERS
 - * PASTA
 - * OIL BEANS
- * ECONOMICS
 - * FEEDS AND FEEDING
 - * INDUSTRIALIZATION
 - * WASTES

- GRAVY MIXES
- SOY SAUCE
- DAIRY FOODS
 - CHEESE
 - ICE-CREAM
 - YOGURT
- FISH SIMULANTS
- FLOURS
 - MYSORE FLOUR
 - TAPIOCA FLOUR
- FOOD ADDITIVES
- FOOD BINDERS
- INFANT FOODS
- MEAT SIMULANTS
- PASTA
- SOUPS
- SOYMILK
- INDUSTRIAL USES
 - ADHESIVES
 - DRILLING MUDS
 - LEATHER PROCESSING
 - METAL POLISHING
 - PAINTS
- * SOYMILK
- * FLOUR QUALITIES
 - BAKING QUALITY
 - FLAVOUR RETENTION
 - FOAMING CAPACITY
- * PROCESSED PRODUCTS
- * TAPIOCA FLOUR
- * MYSORE FLOUR
- * FOOD BINDERS
- * LECITHIN
- * FOOD ADDITIVES
- * SOYMILK
- * DOUGHS
- * BEVERAGES
- * DAIRY FOODS
- * INFANT FOODS
- * INSECTICIDES
- * BAKING
- * PALATABILITY
- * FOAMING

NUTRITION

- CALORIC VALUE
- DIETS
- MALNUTRITION
- NUTRIENT LOSS
- NUTRITIVE VALUE
- PER

- * ANIMAL PHYSIOLOGY
- * HUMAN PHYSIOLOGY
- * BIOCHEMISTRY
- * COOKING
- * FEEDS AND FEEDING
- * FOOD PRODUCTS
- * CALORIC DISTRIBUTION
- * DIETARY PATTERNS
- * DIETARY VALUE
 - DIGESTIBILITY
 - FOOD ENERGY
 - PALATABILITY
- * HEALTH
- * NUTRITIVE VALUE
- * PROCESSING
- * COMPOSITION
- * DIETARY VALUE
- * NUTRIENT LOSS
- * PROTEIN CONTENT
- * PROTEIN QUALITY

- * BIOCHEMISTRY
- * TOXICOLOGY
- * BIOCHEMISTRY
- * TOXICOLOGY
- * COOKING QUALITY
- * FEEDING PROGRAMS
- * NUTRITIVE VALUE
- * FLAVOUR RETENTION
- * LIPOXYGENASE

HEALTH

- ANIMAL HEALTH
- HUMAN HEALTH

- * MALNUTRITION
- * TOXICOLOGY
- * DEFICIENCY DISEASES
- * DEFICIENCY DISEASES
- * HOME ECONOMICS
- * PUBLIC HEALTH

- * PESTICIDE TOLERANCES

DEFICIENCY DISEASES

- * ANIMAL HEALTH
- * HUMAN HEALTH
- * DEFICIENCIES

- * MINERAL DEFICIENCIES
 - * CHLOROSIS
 - * MINERALS AND NUTRIENTS
- * PROTEIN DEFICIENCIES
- * VITAMIN DEFICIENCIES

TOXICITY

- * BIOCHEMISTRY
- * DETOXIFICATION
- * HCN CONTENT
 - * HCN

- * CYANOGEN
- * CYANIDES
- * CYANOGENIC GLYCOSIDES
 - * GLUCOSE
 - LINAMARIN * ALANINE
 - * LIMA BEANS
 - * LINAMARASE

- * TOXICOLOGY

- * DETOXIFICATION
- * ANIMAL PHYSIOLOGY
- * HUMAN PHYSIOLOGY
- * HEALTH

SOCIAL ASPECTS

- * HOME ECONOMICS
- * USES

- CONSUMER PREFERENCES
- TRADITIONS

- * TABOOS
- * HISTORY

- * RELIGION

HOME ECONOMICS

- * COOKING
 - BAKING
- * HOUSEHOLD STORAGE
- * HUMAN HEALTH
- * SOCIAL ASPECTS

- * NUTRITION
- * BAKING QUALITY

DOMESTIC ANIMALS

- * FEEDS AND FEEDING

- CATTLE
 - BEEF CATTLE
 - DAIRY CATTLE
 - CALVES
- GOATS
- POULTRY
 - CHICKS
- SHEEP
 - LAMBS
- SWINE
 - PIGLETS

- * MILK

- * MILK REPLACERS

- * EGGS

H ECONOMICS

PRODUCTIVITY

- * PRODUCTIVITY POTENTIAL
- * WASTES
- * YIELDS

- ENERGY PRODUCTIVITY

YIELDS

- * PRODUCTIVITY
- * YIELD COMPONENTS
- * YIELD INCREASE
- * YIELD INCREASE
- * YIELD INCREASE
- * YIELD COMPONENTS

- GRAIN YIELD
 - SEED WEIGHT
- YIELD LOSS

- * CROP LOSSES

ECONOMICS

- * CULTIVATION SYSTEMS
- * ECONOMIC ASPECTS
- * ECONOMIC FACTORS
- * MARKETING
- * PRODUCTION
- * MARKETING
- PRODUCTION DATA

- CONSUMPTION
- COSTS
 - DEVELOPMENT COSTS
- LABOUR
- INCOME
- PRICES
 - PRICE MAINTENANCE
 - PRICE STABILIZATION

- * DEMAND
- * LABOUR
- * DEVELOPMENT
- * COSTS
- * PRICING
- * PRICING POLICIES
- * SUBSIDIES

MARKETING

- * DISTRIBUTION
- * ECONOMICS
- * PRODUCTION

- CONTRACTUAL SELLING
- OPEN MARKETING
- TRADE

J RESEARCH AND DEVELOPMENT

RESEARCH

- DEVELOPMENTAL RESEARCH
- FIELD EXPERIMENTS
- LABORATORY EXPERIMENTS
 - GROWTH-CHAMBER EXPERIMENTS

- * EXPERIMENT DESIGN
- * EXPERIMENTAL TECHNIQUES
 - EVALUATION
 - * ROGUING
 - * SELECTION

- * DEVELOPMENT

DEVELOPMENT

- INDUSTRIALIZATION

- * DEVELOPMENT COSTS
- * DEVELOPMENTAL RESEARCH
- * MECHANIZATION
- * WASTE UTILIZATION
- * CULTIVATION
- * PROCESSING

TRAINING

- * EDUCATION

INFORMATION SCIENCE

- COMMUNICATION
- DOCUMENTATION
 - BIBLIOGRAPHIES
 - THESES
 - REVIEW ARTICLES
 - MAPS
- INFORMATION SYSTEMS

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ABIOTIC DISEASE AGENTS	E
NT AIR POLLUTION	
PESTICIDES	
RT DEFICIENCIES	
DISEASES AND PATHOGENS	
ENVIRONMENTAL EFFECTS	
PLANT PHYSIOLOGICAL DISORDERS	
ABSCISINS	B
BT PLANT GROWTH SUBSTANCES	
ABYSSINIAN PEAS	A
UF PEA (ABYSSINIAN)	
BT COMMON PEAS	
RT PISUM SATIVUM ABYSSINICUM	
ACANTHOMIA SPP	E
BT HETEROPTERA	
ACANTHOSCELIDES OBTECTUS	E
UF BEAN BRUCHID	
BRUCHIDIUS OBTECTUS	
BT COLEOPTERA	
RT STORED PRODUCRS PESTS	
Acaricide resistance	
USE PESTICIDE RESISTANCE	
ACARICIDES	E
UF MITICIDES	
BT MITE CONTROL	
PESTICIDES	
NT AMINOCARB	
AZINPHOS-ETHYL	
AZINPHOS-METHYL	
BINAPACRYL	
BROMOPHOS	
CHLORBENSIDE	
CHLORBICYCLEN	
CHLORFENSON	
CHLOROBENZILATE	
COUMAPHOS	
DEMETON-O	
DEMETON-O-METHYL	
DIAZINON	
DICHLORVOS	
DICOFOL	
DIMEFOX	
DIMETHOATE	
DINOCAP	

DINOSAM
DISULFOTON
DNOC
ENDOSULFAN
ENDOTHION
FENCHLORPHOS
FENSON
FLUORBENSIDE
MALATHION
MECARBAM
MEVINPHOS
NALED
PARATHION
PHORATE
PHOSPHAMIDON
SCHRADAN
TEPP
TETRASUL
THIOMETON
THIOQUINOX

Acarina
USE INJURIOUS MITES

Acarology
USE ENTOMOLOGY

Acceptability (food)
USE CONSUMER PREFERENCES

Acidity
USE HYDROGEN-ION CONCENTRATION

Acricid
USE BINAPACRYL

ACROSTERNUM HILARE
UF GREEN STINK BUG
BT HETEROPTERA

E

Acti-dione
USE CYCLOHEXIMIDE

ACUTE ERECT HABIT
BT PLANT HABIT

D

Acyrtosiphon pisi
USE ACYRTHOSIPHON PISUM

ACYRTHOSIPHON PISUM
UF ACYRTHOSIPHON PISI
MACROSIPHUM PISI
MACROSIPHUM PISUM
PEA APHID
BT HOMOPTERA

E

ADAPTATION		C
RT	CULTIVARS	
Additives (food)		
USE	FOOD ADDITIVES	
ADENINE		C
BT	PURINES	
RT	DNA	
Adenosine diphosphate		
USE	ADP	
Adenosine triphosphate		
USE	ATP	
ADHESIVES		G
UF	CEMENTS	
	GLUES	
	GUMS	
BT	INDUSTRIAL USES	
ADP		B
UF	ADENOSINE DIPHOSPHATE	
BT	CO-ENZYMES	
RT	PHOTOPHOSPHORYLATION	
Adzuki bean		
USE	ADZUKI BEANS	
Adzuki bean mosaic virus		
USE	BEAN COMMON MOSAIC VIRUS	
ADZUKI BEANS		A
UF	ADSUKI BEAN	
	AZUKI BEAN	
	BEAN (ADSUKI)	
	BEAN (ADZUKI)	
	BEAN (AZUKI)	
BT	TROPICAL GRAIN LEGUMES	
RT	VIGNA ANGULARIS	
AERATION		F
NT	AIR FLOW	
RT	STORAGE STRUCTURE	
	VENTILATION	
AESCHYNOMENE		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	AESCHYNOMENE AMERICANA	
RT	JOINT VETCHES	

AESCHYNOMENE AMERICANA	A
BT AESCHYNOMENE	
AFLATOXINS	B
BT PLANT TOXINS	
Afos	
USE MECARBAM	
AFRICAN LOCUST BEANS	A
UF BEAN (AFRICAN LOCUST)	
LOCUST BEAN (AFRICAN)	
BT TROPICAL GRAIN LEGUMES	
RT PARKIA	
AFRICAN YAM BEANS	A
UF BEAN (AFRICAN YAM)	
OTILI	
YAM BEAN (AFRICAN)	
BT ROOT LEGUMES	
RT SPHENOSTYLIS	
STARCH CROPS	
TROPICAL GRAIN LEGUMES	
YAM BEANS	
AGE	D
RT TIMING	
AGRONOMIC CHARACTERS	D
NT PLANT HABIT	
PLANT WEATHERING	
POD CHARACTERS	
SEASONAL DEVELOPMENT	
RT AGRONOMY	
GENOTYPES	
PHENOTYPES	
AGRONOMY	D
RT AGRONOMIC CHARACTERS	
CULTIVATION	
ENVIRONMENTAL EFFECTS	
MANAGEMENT PRACTICES	
AGROTIS· IPSILON	E
UF BLACK CUTWORM	
BT LEPIDOPTERA	
AGROTIS SEGETUM	E
UF COMMON CUTWORM	
BT LEPIDOPTERA	
AHIPA	A
BT YAM BEAN	
RT PACHYRHIZUS AHIPA	

AIR FLOW		F
BT	AERATION	
AIR POLLUTION		E
UF	POLLUTION (AIR)	
BT	ABIOTIC DISEASE AGENTS	
AIR TEMPERATURE		D
UF	TEMPERATURE (AIR)	
BT	TEMPERATURE	
A1		
USE	ALUMINIUM	
ALANINE		F
BT	AMINO ACIDS	
RT	LINAMARIN	
Alberga		
USE	PIGEON PEAS	
ALCIDODES DENTIPES		E
UF	STRIPED SWEET-POTATO WEEVIL	
BT	COLEOPTERA	
ALDRIN		E
BT	INSECTICIDES	
Alexandrian clover		
USE	EGYPTIAN CLOVER	
Alfalfa caterpillar		
USE	COLIAS EURYTHEME	
ALFALFA DWARF VIRUS		E
UF	LUCERNE DWARF VIRUS	
	MEDICAGO VIRUS 3	
	MEDICAGOVIRUS NANESCENS	
	MORSUS SUFFODIENS	
	PIERCES VINE DISEASE VIRUS	
BT	VIROSES	
ALFALFA MOSAIC VIRUS		E
UF	ALFALFA MOSAIC VIRUS 1	
	ALFALFA VIRUS 1	
	LUCERNE MOSAIC VIRUS	
	MARMOR MEDICAGINIS	
	MEDICAGO VIRUS 1	
	MEDICAGO VIRUS 2	
	MEDICAGOVIRUS MACULANS	
	AMV	
BT	VIROSES	
Alfalfa mosaic virus 1		
USE	ALFALFA MOSAIC VIRUS	

Alfalfa virus 1
USE ALFALFA MOSAIC VIRUS

ALISTILUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT ALISTILUS JUMELLEI

ALISTILUS JUMELLEI A
UF DOLICHOS JUMELLEI
BT ALISTILUS

Alkalinity
USE HYDROGEN-ION CONCENTRATION

ALLELES C
RT GENES

ALLELOPATHY B
SN Harmful effects of one plant on another
through production of chemicals that
escape into the environment
RT BIOLOGICAL COMPETITION

Alpha-linoleic acid
USE LINOLEIC ACID

ALTERNARIA ALTERNATA E
UF ALTERNARIA TENUIS
BT MYCOSES

Alternaria tenuis
USE ALTERNARIA ALTERNATA

ALTERNATIVE HOSTS E
UF HOSTS (ALTERNATIVE)
RT HOST RANGE
DISEASES AND PATHOGENS

ALTITUDE D
UF ELEVATION
RT ENVIRONMENTAL EFFECTS

ALUMINIUM D
UF AL
ALUMINUM
BT MINERALS AND NUTRIENTS

Aluminum
USE ALUMINIUM

Alverja
USE PIGEON PEAS

ALYCE CLOVERS A
UF CLOVERS (ALYCE)
BT TROPICAL FORAGE LEGUMES
RT ALYSICARPUS

ALYSICARPUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT ALYSICARPUS LONGIFOLIUS
ALYSICARPUS OVALIFOLIUS
ALYSICARPUS VAGINALIS
RT ALYCE CLOVERS

ALYSICARPUS LONGIFOLIUS A
BT ALYSICARPUS

Alysicarpus nummularifolius
USE ALYSICARPUS VAGINALIS

ALYSICARPUS OVALIFOLIUS A
BT ALYSICARPUS

ALYSICARPUS VAGINALIS A
UF ALYSICARPUS NUMMULARIFOLIUS
CLOVER (ONE-LEAVED)
HEDYSARUM VAGINALE
ONE-LEAVED CLOVER
BT ALYSICARPUS

Ambrevade
USE PIGEON PEAS

American bollworm
USE HELIOTHIS ARMIGERA

American streak
USE PEA STREAK VIRUS

AMIDE FERTILIZERS D
BT NITROGEN FERTILIZERS
NT CALCIUM CYNAMIDE
UREA

AMINO ACIDS F
SN Includes analogues, modified amino
acids and closely related compounds
BT PROTEIN CONTENT
NT ALANINE
ARGININE
ASPARTIC ACID
CYSTEINE
CYSTINE
GLUTAMIC ACID
GLYCINE
HISTIDINE
ISOLEUCINE
LEUCINE
LYSINE

METHIONINE
ORNITHINE
PHENYLALANINE
PROLINE
SERINE
THREONINE
TRYPTOPHANE
TYROSINE
VALINE
RT GENETIC CODE
PEPTIDES
PROTEIN SYNTHESIS
SULPHUR
TRANSFER RNA

AMINOCARB E
UF MATACIL
BT ACARICIDES
INSECTICIDES

AMITOSIS C
BT CELL-DIVISION

AMMONIA SOLUTIONS D
BT AMMONIUM FERTILIZERS

AMMONIUM ANHYDRIDE D
BT AMMONIUM FERTILIZERS

AMMONIUM CHLORIDE D
BT AMMONIUM FERTILIZERS
RT CHLORINE

AMMONIUM FERTILIZERS D
BT NITROGEN FERTILIZERS
NT AMMONIA SOLUTIONS
AMMONIUM ANHYDRIDE
AMMONIUM CHLORIDE
AMMONIUM SULPHATE
RT DI-AMMONIUM PHOSPHATE
MIXED FERTILIZERS
MONO-AMMONIUM PHOSPHATE

AMMONIUM NITRATE D
BT MIXED FERTILIZERS

AMMONIUM SULPHATE D
UF SULPHATE OF AMMONIA
BT AMMONIUM FERTILIZERS
RT SULPHUR

AMMONIUM SULPHATE NITRATE
BT MIXED FERTILIZERS
RT SULPHUR

D

AMV
USE ALFALFA MOSAIC VIRUS

ANABOLISM
BT METABOLISM

B

ANALYSIS
UF ANALYTICAL METHODS
CHEMICAL ANALYSIS
CHROMATOGRAPHY
RT COMPOSITION

F

Analytical methods
USE ANALYSIS

Anatomy (plant)
USE PLANT ANATOMY

Anemophily
USE WIND POLLINATION

Aneurin
USE THIAMIN

Angola pea
USE PIGEON PEAS

Agoumois grain moth
USE SITOTROGA CEREALELLA

Anguillula javanica
USE MELOIDOGYNE JAVANICA

Anguillulina arenaria
USE MELOIDOGYNE ARENARIA

Anguillulina biformis
USE RADOPHOLUS SIMILIS

Anguillulina brachyura
USE PRATYLENCHUS BRACHYURUS

Anguillulina bradys
USE SCUTELLONEMA BRADYS

Anguillulina pseudorobusta
USE HELICOTYLENCHUS PSEUDOROBUSTUS

Anguillulina similis
USE RADOPHOLUS SIMILIS

Angular spot (soybean)
USE SEPTORIA GLYCINES

Animal foodstuffs
USE FEEDS AND FEEDING

ANIMAL HEALTH G
BT HEALTH
RT DEFICIENCY DISEASES

Animal nutrition
USE NUTRITION

ANIMAL PHYSIOLOGY G
SN Restrict to application in relation
to legumes
UF PHYSIOLOGY (ANIMAL)
RT BIOCHEMISTRY
NUTRITION
TOXICOLOGY

Animals (domestic)
USE DOMESTIC ANIMALS

Annual strawberry clover
USE PERSIAN CLOVER

Annulus orae
USE TOBACCO STREAK VIRUS

Annulus tabaci
USE TOBACCO RING SPOT VIRUS

ANTAGONISM B
BT BIOLOGICAL COMPETITION
RT ANTAGONISTS

ANTAGONISTS D
SN Bacteria and fungi antagonistic to
pathogens
BT RHIZOBIAL REACTIONS
RT ANTAGONISM
ASPERGILLUS NIGER
TRICHODERMA VIRIDE

ANTHERS B
BT STAMENS
NT POLLEN
RT EMASCULATION
PROTANDRY
PROTOGYNY

ANTHESIS B
BT FLOWERING

Anthracnose (bean)
USE COLLETOTRICHUM LINDEMUTHIANUM

Anthracnose (cowpea stem)
USE COLLETOTRICHUM LINDEMUTHIANUM

Anthracnose (soybean)
USE COLLETOTRICHUM TRUNCATUM

ANTIBIOTIC RESISTANCE D
UF RESISTANCE (ANTIBIOTIC)
BT RHIZOBIAL REACTIONS

ANTIBODIES E
RT ANTISERA

ANTICARSIA GEMMATALIS E
UF VELVETBEAN CATERPILLAR
BT LEPIDOPTERA

ANTISERA E
BT VIRUS INHIBITION
RT ANTIBODIES
PHAGES

Antitrypsin factors
USE TRYPSIN INHIBITORS

APHANOMYCES EUTEICHES E
UF PEA ROOT ROT
ROOT ROT (PEA)
BT MYCOSES

Aphids
USE HOMOPTERA

APHIS CRACCIVORA E
UF GROUNDNUT APHID
BT HOMOPTERA

APHIS FABAE E
UF BLACK BEAN APHID
DORALIS FABAE
BT HOMOPTERA

APHIS GLYCINES E
BT HOMOPTERA

APICAL MERISTEMS B
UF GROWING POINTS
BT MERISTEMS

APION SPP E
BT COLEOPTERA

Apis mellifera		
USE	HONEYBEES	
APOMIXIS		B
BT	ASEXUAL REPRODUCTION	
Arachide		
USE	GROUNDNUTS	
ARACHIDIC ACID		F
UF	EICOSANOIC ACID	
BT	SATURATED FATTY ACIDS	
ARACHIDONIC ACID		F
UF	5,8,11,14-EICOSATETRAENOIC ACID	
BT	UNSATURATED FATTY ACIDS	
ARACHIS		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	ARACHIS GLABRATA	
	ARACHIS HYPOGAEA	
	ARACHIS MONTICOLA	
	ARACHIS PROSTRATA	
ARACHIS GLABRATA		A
BT	ARACHIS	
ARACHIS HYPOGAEA		A
BT	ARACHIS	
RT	GROUNDNUTS	
ARACHIS MONTICOLA		A
BT	ARACHIS	
ARACHIS PROSTRATA		A
BT	ARACHIS	
RT	GREEN-MANURE LEGUMES	
Arachis virus 1		
USE	GROUNDNUT ROSETTE VIRUS	
Arachisvirus rosettans		
USE	GROUNDNUT ROSETTE VIRUS	
Arasan		
USE	THIRAM	
Arathane		
USE	DINOCAP	
ARGININE		F
BT	AMINO ACIDS	
Arhar		
USE	CAJANUS CAJAN BICOLOR	
ARID LAND		D
RT	DROUGHT	

Aridity
USE DROUGHT

Arthropods (beneficial)
USE BENEFICIAL ARTHROPODS

ASCOCHYTA FABAE E
BT MYCOSES

Ascochyta pinodes
USE MYCOSPHAERELLA PINODES

ASCOCHYTA PISI E
BT MYCOSES

ASCOCHYTA PUNCTATA E
BT MYCOSES

ASCOCHYTA RABIEI E
UF PHYLLOSTICTA RABIEI
BT MYCOSES

ASCORBIC ACID F
UF VITAMIN C
BT VITAMIN CONTENT

ASEXUAL REPRODUCTION B
BT PLANT REPRODUCTION
NT APOMIXIS
RT CLONES

ASH CONTENT F
BT COMPOSITION

ASPARAGUS BEAN MOSAIC VIRUS E
BT COWPEA APHID-BORNE MOSAIC VIRUS

ASPARAGUS BEANS A
SN "Asparagus bean" is used for at
least two unrelated legumes. For
those in Vigna, use this descriptor;
for those in Psophocarpus, use
"Goa beans"
UF BEAN (ASPARAGUS)
BEAN (SNAKE)
BEAN (YARD-LONG)
SITAO POLE
SNAKE BEAN
YARD-LONG BEAN
BT TROPICAL GRAIN LEGUMES
RT TROPICAL FORAGE LEGUMES
VIGNA UNGUICULATA SEQUIPEDALIS

Asparagus pea
USE GOA BEANS

ASPARTIC ACID		F
BT	AMINO ACID	
ASPERGILLUS FLAVUS		E
BT	MYCOSES	
ASPERGILLUS NIGER		E
UF	COLLAR ROT (GROUNDNUT)	
	GROUNDNUT COLLAR ROT	
BT	MYCOSES	
RT	ANTAGONISTS	
ASPERGILLUS RUBER		E
BT	MYCOSES	
Assessment		
USE	EVALUATION	
Assimilation (plant)		
USE	PLANT ASSIMILATION	
Atlases		
USE	MAPS	
ATP		B
UF	ADENOSINE TRIPHOSPHATE	
BT	CO-ENZYMES	
RT	MITOCHONDRIA	
	PHOTOPHOSPHORYLATION	
	TRANSFER RNA	
ATRAZINE		E
UF	GESAPRIM	
	PRIMATOL A	
BT	HERBICIDES	
ATYLOSIA		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	ATYLOSIA ALBICANS	
	ATYLOSIA BARBATA	
	ATYLOSIA CAJANIFOLIA	
	ATYLOSIA CANDOLLEI	
	ATYLOSIA ELONGATA	
	ATYLOSIA GEMINIFLORA	
	ATYLOSIA GRANDIFOLIA	
	ATYLOSIA KULNENSIS	
	ATYLOSIA LINEATA	
	ATYLOSIA MOLLIS	
	ATYLOSIA NIVEA	
	ATYLOSIA PLATYCARPA	
	ATYLOSIA ROSTRATA	
	ATYLOSIA RUGOSA	
	ATYLOSIA SCARABAEOIDES	
	ATYLOSIA SERICEA	
	ATYLOSIA VILLOSA	
RT	CAJANUS	

ATYLOSIA ALBICANS	A
BT ATYLOSIA	
ATYLOSIA BARBATA	A
BT ATYLOSIA	
ATYLOSIA CAJANIFOLIA	A
BT ATYLOSIA	
ATYLOSIA CANDOLLEI	A
BT ATYLOSIA	
ATYLOSIA ELONGATA	A
BT ATYLOSIA	
ATYLOSIA GEMINIFLORA	A
BT ATYLOSIA	
ATYLOSIA GRANDIFOLIA	A
BT ATYLOSIA	
ATYLOSIA KULNENSIS	A
BT ATYLOSIA	
ATYLOSIA LINEATA	A
BT ATYLOSIA	
ATYLOSIA MOLLIS	A
BT ATYLOSIA	
ATYLOSIA NIVEA	A
BT ATYLOSIA	
ATYLOSIA PLATYCARPA	A
BT ATYLOSIA	
ATYLOSIA ROSTRATA	A
BT ATYLOSIA	
ATYLOSIA RUGOSA	A
BT ATYLOSIA	
ATYLOSIA SCARABAEOIDES	A
BT ATYLOSIA	
ATYLOSIA SERICEA	A
BT ATYLOSIA	
ATYLOSIA VILLOSA	A
BT ATYLOSIA	
AUSTRODOLICHOS	A
BT LEGUMINOSAE-PAPILIONOIDAE	
NT AUSTRODOLICHOS ERRABUNDUS	

AUSTRODOLICHOS ERRABUNDUS	A
UF DOLICHOS ERRABUNDUS	
VIGNA CANESCENS	
BT AUSTRODOLICHOS	
AUTUMN	D
UF FALL	
BT SEASONS	
RT KHARIF SEASON	
AUXINS	B
BT PLANT-GROWTH SUBSTANCES	
NT INDOLE-3-ACETIC ACID	
INDOLE-3-ACETONITRILE	
RT CAMBIUM	
SYNTHETIC AUXINS	
Auxins (synthetic)	
USE SYNTHETIC AUXINS	
Awuje	
USE LIMA BEANS	
AZINPHOS-ETHYL	E
UF ETHYL GUTHION	
GUSATHION A	
BT ACARICIDES	
INSECTICIDES	
AZINPHOS-METHYL	E
UF GUSATHION	
GUTHION	
BT ACARICIDES	
INSECTICIDES	
Azuki bean	
USE ADZUKI BEANS	
Azuki angularis	
USE VIGNA ANGULARIS	
Azuki mungo	
USE VIGNA MUNRO	
Azuki radiata	
USE VIGNA RADIATA	
Azuki reflexopilosa	
USE VIGNA REFLEXOPILOSA	
Azuki riukuensis	
USE VIGNA RUIKIUNENSIS	
Azuki umbellata	
USE VIGNA UMBELLATA	

B

USE BORON

Baby beef

USE CALVES

Baby foods

USE INFANT FOODS

BACILLUS SPP

E

BT BACTERIOSES

RT SOYBEAN BACTERIAL SEED DECAY
SOYBEAN SEEDLING BLIGHT

BACKCROSSING

C

BT BREEDING

RT CROSSBREEDING

Bacteria (root-nodule)

USE RHIZOBIA

Bacterial blight (soybean)

USE PSEUDOMONAS GLYCINEA

Bacterial blotch (bean)

USE XANTHOMONAS PHASEOLI

Bacterial brown spot (bean)

USE PSEUDOMONAS SYRINGAE

Bacterial diseases

USE BACTERIOSES

Bacterial leaf spot (soybean)

USE XANTHOMONAS PHASEOLI SOJENSE

Bacterial pustule (cowpea)

USE XANTHOMONAS VIGNICOLA

Bacterial seed decay (soybean)

USE SOYBEAN BACTERIAL SEED DECAY

Bacteriophages

USE PHAGES

BACTERIOSES

E

SN Includes pathogens. Restrict NTs
to important diseases or pathogens,
and enter others under this descriptor

UF BACTERIAL DISEASES
DISEASES (BACTERIAL)

BT DISEASES AND PATHOGENS

NT BACILLUS SPP
CORYNEBACTERIUM FLACCUMFACIENS
PSEUDOMONAS GLYCINEA

PSEUDOMONAS PHASEOLICOLA
PSEUDOMONAS PISI
PSEUDOMONAS SOLANACEARUM
PSEUDOMONAS SYRINGAE
SOYBEAN BACTERIAL SEED DECAY
SOYBEAN SEEDLING BLIGHT
XANTHOMONAS PHASEOLI
XANTHOMONAS PHASEOLI SOJENSE
XANTHOMONAS VIGNICOLA

BAKED CAKES G

UF CAKES (BAKED)
COOKIES
BT FOOD PRODUCTS
RT DOUGHS

BAKING G

BT COOKING
RT BAKING QUALITY

BAKING QUALITY G

UF QUALITY (BAKING)
BT FLOUR QUALITIES
RT BAKING
COOKING QUALITY

Bambara groundnuts
USE BAMBARRA GROUNDNUTS

BAMBARRA GROUNDNUTS A

UF BAMBARRA GROUNDNUTS
BEAN (JUGO)
CONGO GOOBER
EARTH PEA
GOOBER (CONGO)
GROUNDNUT (BAMBARRA)
GROUNDNUT (MADAGASCAR)
GROUNDNUT (STONE)
HARICOT PISTACHE
JUGO BEAN
KAFFIR PEA
MADAGASCAR GROUNDNUT
PEA (EARTH)
PEA (KAFFIR)
STONE GROUNDNUT
VOANDZOU
VOANJO
BT TROPICAL GRAIN LEGUMES
RT VOANDZEIA SUBTERRANEA

Baron (Dow)
USE ERBON

BASIC SLAG D

BT PHOSPHATE FERTILIZERS

Bayer 31686

USE THIOQUINOX

Bean (Adsuki)

USE ADZUKI BEANS

Bean (Adzuki)

USE ADZUKI BEANS

Bean (African locust)

USE AFRICAN LOCUST BEANS

Bean (African yam)

USE SPHENOSTYLIS

Bean (asparagus)

SN 'Asparagus bean' is used for at
least two unrelated legumes. For
those in Vigna,

USE ASPARAGUS BEANS

For those in Psophocarpus.

USE GOA BEANS

Bean (Azuki)

USE ADZUKI BEANS

Bean (Bengal)

USE BENGAL BEANS

Bean (black-eyed)

USE COWPEAS

Bean (black velvet)

USE BENGAL BEANS

Bean (bonavist)

USE LABLAB

Bean (Brabicon)

USE BRABICON BEANS

Bean (broad)

USE BROAD BEANS

Bean (Burma)

USE LIMA BEANS

Bean (bush)

USE DWARF BEANS

Bean (butter)

USE WHITE LIMA BEANS

Bean (Carolina)

USE SIEVA BEANS

Bean (Carolina sewee)
USE SIEVA BEANS

Bean (civet)
USE LIMA BEANS

Bean (climbing)
USE RUNNER BEANS

Bean (cluster)
USE CLUSTER BEANS

Bean (common)
USE KIDNEY BEANS

Bean (Congo)
USE PIGEON PEAS

Bean (curry)
USE LIMA BEANS

Bean (Deering velvet)
USE FLORIDA VELVET BEANS

Bean (dolichos)
USE LABLAB

Bean (dwarf)
USE DWARF BEANS

Bean (Egyptian)
USE LABLAB

Bean (faba)
USE BROAD BEANS

Bean (fava)
USE BROAD BEANS

Bean (field)
SN Diverse legumes are known under
this term. If known to be Phaseolus,
USE KIDNEY BEANS
If known to be Vicia,
USE BROAD BEANS
When there is doubt,
USE KIDNEY BEANS

Bean (Florida velvet)
USE FLORIDA VELVET BEANS

Bean (French)
USE FRENCH BEANS

Bean (garden)

USE KIDNEY BEANS

Bean (Georgia velvet)

USE FLORIDA VELVET BEAN

Bean (Goa)

USE GOA BEANS

Bean (gotani)

USE JACK BEANS

Bean (green)

USE FRENCH BEANS

Bean (ground)

USE GEOCARPA GROUNDNUTS

Bean (haricot)

USE KIDNEY BEANS

Bean (horse)

SN Several crops are referred to as 'Horse beans'. Therefore be careful in assigning the following descriptors. For 'Horse beans' derived from *Canavallia ensiformis*,

USE JACK BEANS

For 'Horse beans' derived from

Vicia faba,

USE BROAD BEANS

Bean (horse-eye)

USE HORSE-EYE BEANS

Bean (hyacinth)

USE LABLAB

Bean (Indian butter)

USE LABLAB

Bean (jack)

USE JACK BEANS

Bean (Japanese rice)

USE RICE BEANS

Bean (jugo)

USE BAMBARRA GROUNDNUTS

Bean (kidney)

USE KIDNEY BEANS

Bean (Kulthi)
USE HORSE GRAM

Bean (lima)
USE LIMA BEANS

Bean (long)
USE COWPEAS

Bean (Lyon)
USE LYON BEANS

Bean (Madagascar)
USE LIMA BEANS

Bean (manioc)
USE MEXICAN YAM BEANS

Bean (mat)
USE MOTH BEANS

Bean (Metcalfe)
USE METCALFE BEANS

Bean (Mexican yam)
USE MEXICAN YAM BEANS

Bean (moth)
USE MOTH BEANS

Bean (mung)
USE MUNG BEANS

Bean (navy)
USE FRENCH BEANS

Bean (oil)
USE OIL BEANS

Bean (Osceola velvet)
USE OSCEOLA VELVET BEANS

Bean (Owens)
USE JACK BEANS

Bean (pea)
USE FRENCH BEANS

Bean (Phasemy)
USE PHASEMY BEANS

Bean (pinto)
USE FRENCH BEANS

Bean (pole)
USE FRENCH BEANS

Bean (potato lima)
USE POTATO LIMA BEANS

Bean (princess)
USE FRENCH BEANS

Bean (red)
USE RICE BEANS

Bean (red lima)
USE RED LIMA BEANS

Bean (rice)
USE RICE BEANS

Bean (runner)
USE RUNNER BEANS

Bean (Saba)
USE SIEVA BEANS

Bean (Sarawak)
USE SARAWAK BEANS

Bean (scarlet runner)
USE SCARLET RUNNER BEANS

Bean (Sieva)
USE SIEVA BEANS

Bean (skinless kidney)
USE SKINLESS KIDNEY BEANS

Bean (snake)
USE ASPARAGUS BEANS

Bean (snap)
USE FRENCH BEANS

Bean (soja)
USE SOYBEANS

Bean (soy)
USE SOYBEANS

Bean (soya)
USE SOYBEANS

Bean (speckled lima)
USE SPECKLED LIMA BEANS

Bean (string)
USE FRENCH BEANS

Bean (sword)
USE SWORD BEANS

Bean (tepary)
USE TEPARY BEANS

Bean (Texas)
USE TEPARY BEANS

Bean (tick)
USE BROAD BEANS

Bean (tough-podded kidney)
USE TOUGH-PODDED KIDNEY BEANS

Bean (velvet)
USE VELVET BEANS

Bean (wax)
USE FRENCH BEANS

Bean (Wayaka yam)
USE WAYAKA YAM BEANS

Bean (West African locust)
USE PARKIA FILICOIDEA

Bean (white lima)
USE WHITE LIMA BEANS

Bean (winged)
USE GOA BEANS

Bean (yam)
USE YAM BEANS

Bean (yard-long)
USE ASPARAGUS BEANS

Bean (Yokohama)
USE YOKOHAMA BEANS

Bean anthracnose
USE COLLETOTRICHUM LINDEMUTHIANUM

Bean bacterial blotch
USE XANTHOMONAS PHASEOLI

Bean bacterial brown spot
USE PSEUDOMONAS SYRINGAE

Bean bruchid
USE ACANTHOSCELIDES OBTECTUS

BEAN COMMON MOSAIC VIRUS

E

- UF ADZUKI BEAN MOSAIC VIRUS
- BEAN MOSAIC VIRUS
- BEAN VIRUS 1
- COMMON BEAN MOSAIC VIRUS
- MARIENBAU BEAN MOSAIC VIRUS
- MARMOR PHASEOLI
- PHASEOLUS VIRUS 1
- PHASEOLUSVIRUS MACULANS
- BT VIROSES
- RT BEAN YELLOW MOSAIC VIRUS
- COWPEA APHID-BORNE MOSAIC VIRUS
- PEA MOSAIC VIRUS
- SOYBEAN MOSAIC VIRUS

Bean downy mildew

- USE PHYTOPHTHORA PHASEOLI

Bean dwarf mosaic virus

- USE BEAN YELLOW MOSAIC VIRUS

Bean flower thrips

- USE TAENIOTHRIPS SJOSTEDTI

Bean fly

- USE MELANAGROMYZA PHASEOLI

Bean Fusarium wilt

- USE FUSARIUM OXYSPORUM FABAE

Bean halo blight

- USE PSEUDOMONAS PHASEOLICOLA

Bean leaf beetles

- USE CEROTOMA SPP

BEAN LEAF ROLL VIRUS

E

- UF PEA LEAF ROLL VIRUS
- PEA TIP YELLOWING VIRUS
- PEA TOP YELLOWS VIRUS
- PISUM VIRUS 8
- VICIAVIRUS CHLOROGENUM
- BT VIROSES
- RT SOYBEAN DWARF VIRUS

Bean mosaic virus

- USE BEAN COMMON MOSAIC VIRUS

Bean mosaic virus 4

- USE BEAN SOUTHERN MOSAIC VIRUS

BEAN POD MOTTLE VIRUS

E

- UF BPMV
- MARMOR VALVULARUM
- BT VIROSES
- RT COWPEA MOSAIC VIRUS

Bean seed fly
USE HYLEMYA PLATURA

BEAN SOUTHERN MOSAIC VIRUS E
UF BEAN MOSAIC VIRUS 4
MARMOR LAESIOFACIENS
PHASEOLUSVIRUS LAEDENS
SBMV
SOUTHERN BEAN MOSAIC VIRUS 1
BT VIROSES

Bean virus 1
USE BEAN COMMON MOSAIC VIRUS

Bean virus 2
USE BEAN YELLOW MOSAIC VIRUS

BEAN YELLOW MOSAIC VIRUS E
UF BEAN DWARF MOSAIC VIRUS
BEAN VIRUS 2
BYMV
GLADIOLUS MOSAIC VIRUS
MARMOR MANIFESTUM
PHASEOLUS VIRUS 2
PHASEOLUSVIRUS FLAVESCENS
SOYBEAN YELLOW MOSAIC
BT VIROSES
RT BEAN COMMON MOSAIC VIRUS
PEA MOSAIC VIRUS
SOYBEAN MOSAIC VIRUS

Beans
SN Although 'Beans' is used generically
for a wide variety of grain legumes
and their seeds, in most instances it
refers to 'Kidney beans' (RT Phaseolus
vulgaris)
USE KIDNEY BEANS

BEE COLONIES B
UF COLONIES (BEE)
RT BEEHIVES
BEES

BEEF CATTLE G
BT CATTLE

BEEHIVES B
UF HIVES
SKEPS
RT BEE COLONIES
HONEYBEES

BEEES B
BT POLLINATING INSECTS
NT BUMBLE BEES
HONEYBEES
RT BEE COLONIES

Beetles

USE COLEOPTERA

Beggar weed (creeping)

USE DESMODIUM CANUM

Beggar weed (Florida)

USE DESMODIUM TORTUOSUM

Beggar weeds

USE TICK CLOVERS

Behaviour (insect)

USE INSECT BEHAVIOUR

BEHENIC ACID

UF DOCOSANOIC ACID

BT SATURATED FATTY ACIDS

F

BELONOLAIMUS GRACILIS

BT NEMATODES

E

BEMISIA TABACI

UF SWEETPOTATO WHITEFLY
WHITEFLY (SWEETPOTATO)

BT HOMOPTERA

E

BENEFICIAL ARTHROPODS

UF ARTHROPODS (BENEFICIAL)
BENEFICIAL INSECTS
BENEFICIAL MITES
INSECTS (BENEFICIAL)
MITES (BENEFICIAL)

RT INSECT AGENTS
POLLINATING INSECTS

E

Beneficial insects

USE BENEFICIAL ARTHROPODS

Beneficial mites

USE BENEFICIAL ARTHROPODS

BENGAL BEANS

UF BEAN (BENGAL)
BEAN (BLACK VELVET)
BLACK VELVET BEAN
VELVET BEAN (BLACK)

BT VELVET BEANS

RT MUCUNA ATERRIMA
TROPICAL GRAIN LEGUMES

A

Bengal gram

USE CHICK PEAS

BENOMYL		E
BT	FUNGICIDES	
Benzene hexachloride		
USE	BHC	
Berseem		
USE	EGYPTIAN CLOVER	
BEVERAGES		G
UF	CSM	
	DRINKS	
BT	FOOD PRODUCTS	
RT	SOYMILK	
BHC		E
UF	BENZENE HEXACHLORIDE	
	GAMMEXANE	
	HCH	
BT	INSECTICIDES	
RT	LINDANE	
BIBLIOGRAPHIES		J
BT	DOCUMENTATION	
Bicarbonate of potash		
USE	POTASSIUM BICARBONATE	
Big-eyed bugs		
USE	GEOCORIS SPP	
BINAPACRYL		E
UF	ACRICID	
	ENDOSAN	
BT	ACARICIDES	
	FUNGICIDES	
Binders (food)		
USE	FOOD BINDERS	
Bins (storage)		
USE	STORAGE BINS	
BIOCHEMISTRY		B
UF	CHEMISTRY	
RT	ANIMAL PHYSIOLOGY	
	COMPOSITION	
	HUMAN PHYSIOLOGY	
	NUTRITION	
	PLANT PHYSIOLOGY	
	TOXICITY	
BIOLOGICAL COMPETITION		B
UF	COMPETITION (BIOLOGICAL)	
BT	ECOLOGY	
NT	ANTAGONISM	
	PARASITISM	

RT BIOLOGICAL CONTROL
ALLELOPATHY

BIOLOGICAL CONTROL E
UF CONTROL (BIOLOGICAL)
NT INSECT AGENTS
RT BIOLOGICAL COMPETITION
DISEASE CONTROL
INSECT CONTROL
MITE CONTROL
INTEGRATED CONTROL

BIOLOGICAL POTENTIAL C
UF POTENTIAL (BIOLOGICAL)
RT BREEDING AIMS

Biology (insect)
USE INSECT BIOLOGY

Biology (mite)
USE INSECT BIOLOGY

Bionomics (insect)
USE INSECT BIONOMICS

Bionomics (mite)
USE INSECT BIONOMICS

BIRDS E
BT NOXIOUS ANIMALS

Birdseye clover
USE PERSIAN CLOVER

BISCUITS C
UF CRACKERS
SWEET BISCUITS
BT FOOD PRODUCTS
RT DOUGHS

Black bean aphid
USE APHIS FABAE

Black cutworm
USE AGROTIS IPSILON

Black-eye pea
USE COWPEAS

Black-eyed bean
USE COWPEAS

Black gram
USE URD

Black matpe
USE MOTH BEANS

Black velvet bean
USE BENGAL BEANS

Bladan
USE TEPP

Bolting
USE SIEVING

Bonavist bean
USE LABLAB

BORON D
UF B
BT MINERALS AND NUTRIENTS

Botanical keys
USE IDENTIFICATION

BOTRYTIS CINEREA E
UF GRAY MOULD
GREY MOULD
BT MYCOSES

BOTRYTIS FABAE E
BT MYCOSES

BPMV
USE BEAN POD MOTTLE VIRUS

BRABICON BEANS A
UF BEAN (BRABICON)
BT GREEN-MANURE LEGUMES
RT CANAVALIA CAMPYLOCARPA

BRANCHING B
BT DEVELOPMENTAL STAGES
RT STEMS

BRAZILIAN LUCERNE A
UF LUCERNE (BRAZILIAN)
STYLO
BT STYLO LUCERNES
RT STYLOSANTHES GRACILIS

BREADS G
BT FOOD PRODUCTS
RT DOUGHS

Breakfast cereals
USE CEREAL FOODS

BREEDING		C
UF	GENETIC IMPROVEMENT PLANT BREEDING	
NT	BACKCROSSING BREEDING AIMS HYBRIDIZING INBREEDING MUTATION PLANT INTRODUCTION RANDOM MATING RECIPROCAL CROSSING RECOMBINATION SEGREGATION SELECTION SELFING	
RT	BREEDING METHODS CULTIVARS CYTOGENETICS GENETICS HOST-PLANT RESISTANCE INHERITANCE PLANT FERTILITY SEED TISSUE CULTURE	
BREEDING AIMS		C
BT	BREEDING	
NT	HABIT IMPROVEMENT HOST-PLANT RESISTANCE YIELD INCREASE	
RT	BIOLOGICAL POTENTIAL PRODUCTIVITY POTENTIAL	
BREEDING METHODS		C
NT	CHROMOSOME MANIPULATION CONVERGENT IMPROVEMENT EMASCULATION HETEROSIS INCOMPATIBILITY INTERSPECIFIC STERILITY ISOLATION MALE STERILITY MUTATION BREEDING POLYPLOIDY	
RT	BREEDING IRRADIATION PROGENY TESTING	
BROAD BEAN MOTTLE VIRUS		E
UF	VICIAVIRUS MACULANS	
BT	VIROSES	
BROAD BEAN STAIN VIRUS		E
BT	VIROSES	
RT	COWPEA MOSAIC VIRUS	

BROAD BEANS		A
UF	BEAN (BROAD)	
	BEAN (FABA)	
	BEAN (FAVA)	
	BEAN (FIELD) (q.v.)	
	BEAN (HORSE)	
	BEAN (TICK)	
	FABA BEAN	
	FAVA BEAN	
	FIELD BEAN (q.v.)	
	HORSE BEAN	
	TICK BEAN	
BT	TROPICAL GRAIN LEGUMES	
RT	VICIA FABA	
BROADCAST SEEDERS		D
UF	BROADCASTERS (SEED)	
	SEEDERS (BROADCAST)	
BT	SOWING EQUIPMENT	
Broadcasters (seed)		
USE	BROADCAST SEEDERS	
BROMACIL		E
UF	HYVAR	
BT	HERBICIDES	
BROMOPHOS		E
BT	ACARICIDES	
	INSECTICIDES	
Brown leaf beetle		
USE	OOTHECA MUTABILIS	
Brown stem rot		
USE	CEPHALOSPORIUM GREGATUM	
Bruchidius obtectus		
USE	ACANTHOSCELIDES OBTECTUS	
BUD BLIGHTS		E
RT	TOBACCO RING SPOT VIRUS	
	TOBACCO STREAK VIRUS	
BUDS		B
RT	SHOOTS	
Bug-killers		
USE	INSECTICIDES	
Bulk pedigreeing		
USE	SELECTION	
Bulk storage		
USE	STORAGE	

Bulking up
USE MULTIPLICATION

BUMBLE BEES
UF HUMBLE BEES
BT BEES

B.

Burma bean
USE LIMA BEANS

Bush bean
USE DWARF BEANS

BUTONATE
BT INSECTICIDES

E

Butter bean
USE WHITE LIMA BEANS

Butter bean (Indian)
USE LABLAB

Butterflies
USE LEPIDOPTERA

BYMV
USE BEAN YELLOW MOSAIC VIRUS

Ca
USE CALCIUM

Cacara erosa
USE PACHYRHIZUS EROSUS

Cajan
USE PIGEON PEAS

CAJANUS
BT LEGUMINOSAE-PAPILIONOIDEAE
NT CAJANUS CAJAN
RT ATYLOSIA

A

Cajanus bicolor
USE CAJANUS CAJAN BICOLOR

CAJANUS CAJAN
UF CAJANUS INDICUS
BT CAJANUS
NT CAJANUS CAJAN BICOLOR
CAJANUS CAJAN FLAVUS
RT PIGEON PEAS

A

CAJANUS CAJAN BICOLOR
UF ARHAR
CAJANUS BICOLOR
BT CAJANUS CAJAN

CAJANUS CAJAN FLAVUS
UF CAJANUS FLAVUS
TUR
BT CAJANUS CAJAN

A

Cajanus flavus
USE CAJANUS CAJAN FLAVUS

Cajanus indicus
USE CAJANUS CAJAN

CAKES
SN For animal feeds, not bakery products
BT PROCESSED PRODUCTS
RT FEED CONSTITUENTS

F

Cakes (baked)
USE BAKED CAKES

CALCIUM
UF CA
BT MINERALS AND NUTRIENTS
RT CALCIUM AMMONIUM NITRATE
CALCIUM CYNAMIDE
CALCIUM NITRATE

D

CALCIUM SUPERPHOSPHATE
DI-CALCIUM PHOSPHATE
LIME

CALCIUM AMMONIUM NITRATE D
BT MIXED FERTILIZERS
RT CALCIUM

CALCIUM CYNAMIDE D
BT AMIDE FERTILIZERS

CALCIUM NITRATE D
BT NITRATE FERTILIZERS
RT CALCIUM

CALCIUM SUPERPHOSPHATE D
UF SUPERPHOSPHATE OF LIME
BT SUPERPHOSPHATE
RT CALCIUM

Cal f
USE CALVES

CALLOSOBRUCHUS CHINENSIS E
UF ORIENTAL COWPEA BRUCHID
BT COLEOPTERA
RT STORED PRODUCTS PESTS

CALLOSOBRUCHUS MACULATUS E
UF SPOTTED COWPEA BRUCHID
BT COLEOPTERA
RT STORED PRODUCTS PESTS

CALONECTRIA UNISEPTATA E
UF CYLINDROCLADIUM SCOPARIUM
BT MYCOSES

Calopo
USE CALOPOGONIUM MUCUNOIDES

CALOPOGONIUM MUCUNOIDES A
UF CALOPO
BT LEGUMINOSAE-PAPILIONOIDEAE
RT GREEN MANURE LEGUMES

CALORIC DISTRIBUTION G
RT CALORIC VALUE

CALORIC VALUE G
UF CALORIFIC VALUE
BT NUTRITION
RT CALORIC DISTRIBUTION

Calories
USE FOOD ENERGY

Calorific value
USE CALORIC VALUE

CALVES		G
UF	BABY BEEF	
	CALF	
BT	CATTLE	
CALYX		B
BT	PERIANTH	
RT	SEPALS	
CAMBIUM		B
BT	MERISTEMS	
RT	AUXINS	
	PHLOEM	
	XYLEM	
CAMPHECHLOR		E
UF	TOXAPHENE	
BT	INSECTICIDES	
CAMV		
USE	COWPEA APHID-BORNE MOSAIC VIRUS	
CANAVALIA		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	CANAVALIA CAMPYLOVORA	
	CANAVALIA ENSIFORMIS DC	
	CANAVALIA GLADIATA	
	CANAVALIA MICROCARPA	
	CANAVALIA POLYSTACHA	
	CANAVALIA VIROSA	
CANAVALIA CAMPYLOCARPA		A
BT	CANAVALIA	
RT	BRABICON BEANS	
Canavalia ensiformis auctt		
USE	CANAVALIA GLADIATA	
CANAVALIA ENSIFORMIS DC		A
UF	CANAVALIA OBTUSIFOLIA	
	DOLICHOS ACINACIFORMIS	
BT	CANAVALIA	
RT	JACK BEANS	
CANAVALIA MICROCARPA		A
UF	MAUNA LOA VINE	
	VINE (MAUNA LOA)	
BT	CANAVALIA	
CANAVALIA GLADIATA		A
UF	CANAVALIA ENSIFORMIS AUCTT	
BT	CANAVALIA	
RT	CANAVALIA VIROSA	
	SWORD BEANS	
Canavalia obtusifolia		
USE	CANAVALIA ENSIFORMIS DC	

CANAVALIA POLYSTACHA		A
UF	DOLICHOS POLYSTACHOS	
	DOLICHOS VISCOSUS	
BT	CANAVALIA	
CANAVALIA VIROSA		A
BT	CANAVALIA	
RT	CANAVALIA GLADIATA	
Cane sugar		
USE	SUCROSE	
CANNING		F
BT	PACKAGING	
CANOPY		B
BT	FOLIAGE	
RT	TRANSPIRATION	
CAPTAN		E
UF	ORTHOXIDE 406	
BT	FUNGICIDES	
Caracol		
USE	VIGNA CARACALLA	
CARBARYL		E
UF	SEVIN	
BT	INSECTICIDES	
CARBOHYDRATE CONTENT		F
BT	COMPOSITION	
NT	SOLUBLE CARBOHYDRATES	
	STARCH CONTENT	
Carbohydrates (soluble)		
USE	SOLUBLE CARBOHYDRATES	
CARBON DIOXIDE		B
RT	CARBON FIXATION	
	PHOSPHOGLYCERIC ACID	
CARBON FIXATION		B
BT	PHOTOSYNTHESIS	
RT	CARBON DIOXIDE	
CARBOXIN		E
UF	CARBATHIIN	
BT	FUNGICIDES	
Carolina bean		
USE	SIEVA BEANS	
Carolina sewee bean		
USE	SIEVA BEANS	

CAROTENOIDS		B
BT	PHOTOSYNTHETIC PIGMENTS	
CARPELS		B
BT	FLOWERS	
RT	FRUITS	
	GYNOECIUM	
CARUNCLE		B
BT	SEEDS	
Cassava flour		
USE	TAPIOCA FLOUR	
Castration		
USE	EMASCULATION	
Cat foods		
USE	PET FOODS	
CATABOLISM		B
UF	KATABOLISM	
BT	METABOLISM	
CATJANG		A
BT	TROPICAL GRAIN LEGUMES	
RT	COWPEAS	
	VIGNA UNGUICULATA CYLINDRICA	
CATTLE		G
BT	DOMESTIC ANIMALS	
NT	BEEF CATTLE	
	CALVES	
	DAIRY CATTLE	
Caupi		
USE	COWPEAS	
CELL-DIVISION		C
UF	NUCLEAR DIVISION	
BT	CYTOLOGY	
NT	AMITOSIS	
	MEIOSIS	
	MITOSIS	
RT	CYTOKININS	
	GROWTH	
	MERISTEMS	
	NUCLEUS	
CELL STRUCTURE		C
BT	CYTOLOGY	
NT	CELL WALLS	
	CYTOPLASMIC ORGANELLES	
	GOLGI APPARATUS	
	RIBOSOMES	
	NUCLEUS	
RT	ULTRASTRUCTURE	

CELL WALLS		C
UF	WALLS (CELL)	
BT	CELL STRUCTURE	
RT	CELLULOSE	
CELLULOSE		F
BT	FIBRE CONTENT	
RT	CELL WALLS	
Cements		
USE	ADHESIVES	
CENTRE OF ORIGIN		A
UF	ORIGIN (PLANT)	
	PLANT ORIGIN	
BT	PLANT GEOGRAPHY	
CENTRIFUGING		F
BT	PROCESSING	
CEPHALOSPORIUM GREGATUM		E
UF	BROWN STEM ROT	
	STEM ROT (BROWN)	
BT	MYCOSES	
<i>Cercospora arachidicola</i>		
USE	MYCOSPHAERELLA ARACHIDIS	
CERCOSPORA CANESCENS		E
BT	MYCOSES	
RT	CERCOSPORA LEAF SPOT	
CERCOSPORA CRUENTA		E
BT	MYCOSES	
RT	CERCOSPORA LEAF SPOT	
CERCOSPORA KIKUCHII		E
UF	PURPLE SEED STAIN	
	SEED STAIN (PURPLE)	
BT	MYCOSES	
CERCOSPORA LEAF SPOT		E
BT	MYCOSES	
RT	CERCOSPORA CANESCENS	
	CERCOSPORA CRUENTA	
<i>Cercospora personata</i>		
USE	MYCOSPHAERELLA BERKELEYI	
CERCOSPORA SOJINA		E
BT	MYCOSES	

CEREAL FOODS G
UF BREAKFAST CEREALS
BT FOOD PRODUCTS

CEREALS D
SN Only as rotational or inter crops
with legumes
NT MAIZE
MILLETS
RICE
SORGHUMS
WHEAT
RT GRASSES
ROTATIONAL CROPS

CEROTOMA SPP E
UF BEAN LEAF BEETLES
LEAF BEETLES (BEAN)
BT COLEOPTERA

CERTIFIED SEED D
SN Commercial seed meeting specified
standards
BT SEED

Characters (seed)
USE SEED CHARACTERS

Charcoal rot
USE MACROPHOMINA PHASEOLINA

CHEESE G
BT DAIRY FOODS

Chemical analysis
USE ANALYSIS

Chemical composition
USE COMPOSITION

Chemical mutagens
USE MUTAGENS

Chemistry
USE BIOCHEMISTRY

CHEMOTAXONOMY A
BT TAXONOMY

CHICK PEAS A
UF BENGAL GRAM
CHICKPEA
EGYPTIAN PEA
GARBANZOS
GRAM (BENGAL)
GRAM PEA
PEA (CHICK)

	PEA (EGYPTIAN)	
	PEA (GRAM)	
	POIS CHICHE	
BT	TROPICAL GRAIN LEGUMES	
RT	CICER ARIETINUM	
Chickaswa lima		
USE	JACK BEANS	
Chickling vetch		
USE	LATHYRUS SATIVUS	
Chickpea		
USE	CHICK PEAS	
CHICKS		
BT	POULTRY	G
Chile saltpetre		
USE	SODIUM NITRATE	
Chilean nitrate		
USE	SODIUM NITRATE	
CHLORANIL		
UF	SPERGON	E
BT	FUNGICIDES	
CHLORAZINE		
BT	HERBICIDES	E
CHLORBENSIDE		
UF	CHLORPARACIDE	E
BT	ACARICIDES	
CHLORBICYCLEN		
BT	ACARICIDES	E
	INSECTICIDES	
CHLORBROMURON		
BT	HERBICIDES	E
Chlordan		
USE	CHLORDANE	
CHLORDANE		
UF	CHLORDAN	E
	OCTACHLOR	
BT	INSECTICIDES	
CHLORENCHYMA		
BT	PARENCHYMA	B
RT	CHLOROPLASTS	

CHLORFENSON		E
UF	OVEX	
	OVOTRAN	
BT	ACARICIDES	
CHLORINE		D
UF	CL	
BT	MINERALS AND NUTRIENTS	
RT	AMMONIUM CHLORIDE	
	POTASSIUM CHLORIDE	
CHLOROBENZILATE		E
UF	ETHYL DICHLOROBENZILATE	
	GEIGY 338	
BT	ACARICIDES	
CHLOROPHYLL		B
RT	CHLOROPHYLL A	
	CHLOROPHYLL B	
CHLOROPHYLL A		B
BT	PHOTOSYNTHETIC PIGMENTS	
RT	CHLOROPHYLL	
CHLOROPHYLL B		B
BT	PHOTOSYNTHETIC PIGMENTS	
RT	CHLOROPHYLL	
CHLOROPICRIN		E
UF	LARVACIDE	
	NITROCHLOROFORM	
	PICFUME	
	TRICHLORONITROMETHANE	
BT	FUNGICIDES	
	HERBICIDES	
	INSECTICIDES	
	NEMATICIDES	
CHLOROPLASTS		C
BT	CHROMOPLASTS	
NT	GRANA	
	STROMA	
	THYLAKOIDS	
RT	CHLORENCHYMA	
	MESOPHYLL	
	PHOTOSYNTHESIS	
CHLOROSIS		E
RT	MINERAL DEFICIENCIES	
	VIROSES	
Chlorparacide		
USE	CHLORBENSIDE	

CHLORPROPHAM E
UF CIPC
BT HERBICIDES

CHOANEPHORA CUCURBITARUM E
UF CHOANEPHORA POD ROT
BT MYCOSES

Choanephora pod rot
USE CHOANEPHORA CUCURBITARUM

Choice of food
USE CONSUMER PREFERENCES

Chondriosomes
USE MITOCHONDRIA

Chromatography
USE ANALYSIS

Chromatophores
USE CHROMOPLASTS

CHROMOPLASTS C
UF CHROMATOPHORES
BT PLASTIDS
NT CHLOROPLASTS

CHROMOSOME MANIPULATION C
BT BREEDING METHODS
RT GENES

CHROMOSOMES C
BT NUCLEUS
RT DNA
GENES
GENOMES
NUCLEOLUS
RNA

CICER A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT CICER ARIETINUM

CICER ARIETINUM A
UF CICER SATIVUM
BT CICER
RT CHICK PEAS

Cicer lens
USE LENS CULINARIS

Cicer sativum
USE CICER ARIETINUM

CIPC
USE CHLORPROPHAM

Civet bean

USE LIMA BEANS

Cl

USE CHLORINE

Classification (plant)

USE TAXONOMY

CLAYS

BT SOILS

D

CLEANING

SN Cleaning of grain

BT PROCESSING

F

CLEARING

SN Clearing of forest, bush, or grassland
before cultivation

UF LAND CLEARING

BT LAND PREPARATION

RT SHIFTING CULTIVATION

D

CLIMATIC REQUIREMENTS

BT CULTIVATION

NT LIGHT

TEMPERATURE

RT ECOLOGY

ENVIRONMENTAL EFFECTS

PEDOCLIMATIC FACTORS

PHENOLOGY

WATER REQUIREMENTS

D

Climbing bean

USE RUNNER BEANS

CLIMBING HABIT

BT PLANT HABIT

D

Clitoria alba

USE VIGNA UNGUICULATA DEKINDTIANA

CLONES

RT ASEXUAL REPRODUCTION

CULTIVARS

PROPAGATION MATERIALS

C

Clover (Alexandrian)

USE EGYPTIAN CLOVER

Clover (annual strawberry)

USE PERSIAN CLOVER

Clover (birdseye)

USE PERSIAN CLOVER

Clover (crimson)
USE CRIMSON CLOVER

Clover (Egyptian)
USE EGYPTIAN CLOVER

Clover (Indian)
USE MELILOTUS INDICA

Clover (Japan)
USE LESPEDEZA STRIATA

Clover (King Island)
USE MELILOTUS INDICA

Clover (one-leaved)
USE ALYSICARPUS VAGINALIS

Clover (Persian)
USE PERSIAN CLOVER

Clover (rose)
USE ROSE CLOVER

Clover (sour)
USE MELILOTUS INDICA

Clover (Spanish)
USE DESMODIUM UNCINATUM

Clover (sweet) virus
USE SWEETCLOVER VIRUS

CLOVERS

UF TREFOILS

BT TROPICAL FORAGE LEGUMES

NT CRIMSON CLOVER
EGYPTIAN CLOVER
PERSIAN CLOVER
ROSE CLOVER

RT TRIFOLIUM

A

Clovers (alyce)
USE ALYCE CLOVERS

Clovers (sweet)
USE SWEETCLOVERS

Clovers (tick)
USE TICK CLOVERS

Cloverworm (green)
USE PLATHYPENA SCABRA

CLUSTER BEANS A
UF BEAN (CLUSTER)
GUAR PLANT
BT TROPICAL GRAIN LEGUMES
RT CYAMOPSIS PSORALIOIDES

CMeV
USE COWPEA MOTTLE VIRUS

CMU
USE MONURON

CO-ENZYMES B
NT ADP
ATP
RT ENZYMES

Co-Ra1
USE COUMAPHOS

Code (genetic)
USE GENETIC CODE

COLASPIS BRUNNEA E
UF GRAPE COLASPIS
BT COLEOPTERA

COLCHICINE C
RT MUTAGENS

Cold tolerance
USE HOST-PLANT RESISTANCE

COLEOPTERA E
UF BEETLES
BT INJURIOUS INSECTS
NT ACANTHOSCELIDES OBTECTUS
ALCIDODES DENTIPES
APION SPP
CALLOSOBRUCHUS CHINENSIS
CALLOSOBRUCHUS MACULATUS
CEROTOMA SPP
COLASPIS BRUNNEA
CORYNA SPP
DIABROTICA LONGICORNIS
DIABROTICA UNDECIMPUNCTATA HOWARDI
DIABROTICA VIRGIFERA
EPICAUTA ALBOVITTATA
EPILACHNA VARIVESTIS
GRAPHOGNATHUS SPP
MYLABRIS SPP
OOTHECA MUTABILIS
ORYZAEPHILUS MERCATOR
ORYZAEPHILUS SURINAMENSIS

PLAGIODERA INCLUSA
SCHIZONYCHA SPP
SYSTATES SPP
TRIBOLIUM CASTANEUM

COLIAS EURYTHEME E
UF ALFALFA CATERPILLAR
BT LEPIDOPTERA

Collar rot (groundnut)
USE ASPERGILLUS NIGER

COLLETOTRICHUM LINDEMUTHIANUM E
UF ANTHRACNOSE (BEAN)
ANTHRACNOSE (COWPEA STEM)
BEAN ANTHRACNOSE
COWPEA STEM ANTHRACNOSE
STEM ANTHRACNOSE (COWPEA)
BT MYCOSES

COLLETOTRICHUM TRUNCATUM E
UF ANTHRACNOSE (SOYBEAN)
SOYBEAN ANTHRACNOSE
BT MYCOSES

Colour (seed)
USE SEED COLOUR

Commerce
USE TRADE

Common bean
USE KIDNEY BEANS

Common bean mosaic virus
USE BEAN COMMON MOSAIC VIRUS

Common cutworm
USE AGROTIS SEGETUM

Common lespedeza
USE LESPEDEZA STRIATA

Common pea mosaic virus
USE PEA MOSAIC VIRUS

COMMON PEAS A
UF FIELD PEA
GARDEN PEA
PEA (COMMON)
PEA (FIELD)
PEA (GARDEN)
POIS
BT PEAS
RT PISUM SATIVUM

COMMON VETCH A
UF SPRING VETCH
TARES
VETCH (COMMON)
VETCH (SPRING)
BT TROPICAL FORAGE LEGUMES
RT VICIA SATIVA

COMMUNICATION J
BT INFORMATION SCIENCE

Competition (biological)
USE BIOLOGICAL COMPETITION

COMPLEMENTARY GENES C
SN Genes which produce a combined effect
distinct from their separate effects;
"synergistic genes"
BT GENES
RT POLYGENES

COMPOSITION F
SN Chemical composition of grain legumes
and their products
UF CHEMICAL COMPOSITION
NT ASH CONTENT
CARBOHYDRATE CONTENT
CONCAVALINS
DRY MATTER
FAT CONTENT
FIBRE CONTENT
HCN CONTENT
MINERAL CONTENT
NITROGEN CONTENT
PROTEIN CONTENT
VITAMIN CONTENT
WATER CONTENT
RT ANALYSIS
BIOCHEMISTRY
NUTRITIVE VALUE

COMPOSTING D
BT SOIL FERTILITY

CONCAVALINS F
BT COMPOSITION
RT JACK BEANS

CONCENTRATES G
RT FEED CONSTITUENTS

Concentrates (protein)
USE PROTEIN CONCENTRATES

CONDIMENTS

G

BT FOOD PRODUCTS
NT SAUCES
RT OIL BEANS

Congo bean
USE PIGEON PEAS

Congo goober
USE BAMBARRA GROUNDNUTS

Congo peas
USE PIGEON PEAS

Conservation tillage
USE NO-TILLAGE

CONSUMER PREFERENCES

G

UF ACCEPTABILITY (FOOD)
CHOICE OF FOOD
FOOD CHOICE
PREFERENCES (FOOD)
BT SOCIAL ASPECTS
RT TABOOS

CONSUMPTION

H

SN Use for actual and potential markets
of legume grains
UF MARKET
BT ECONOMICS
RT DEMAND

CONTRACTUAL SELLING

H

BT MARKETING

Control (biological)

USE BIOLOGICAL CONTROL

Control (insect)

USE INSECT CONTROL

Control (integrated)

USE INTEGRATED CONTROL

Control (mite)

USE MITE CONTROL

Control (pest)

USE PEST CONTROL

Control (rat)

USE RODENT CONTROL

Control (rodent)

USE RODENT CONTROL

Control methods (pest)
USE PEST CONTROL METHODS

Control methods (physical)
USE PHYSICAL METHODS

CONVERGENT IMPROVEMENT C
UF IMPROVEMENT (CONVERGENT)
BT BREEDING METHODS

CONVEYING F
BT HANDLING

Cookies
USE BAKED CAKES

COOKING G
SN Effects of cooking on nutritive value
or palatability; not utilization recipes
UF CUISINE
NT BAKING
RT COOKING QUALITY
HOME ECONOMICS
NUTRITION

COOKING QUALITY G
UF QUALITY (COOKING)
RT BAKING QUALITY
COOKING

COPPER D
UF CU
BT MINERALS AND NUTRIENTS

Corn (British usage)
USE WHEAT

Corn (N. American usage)
USE MAIZE

Corn earworm
USE HELIOTHIS ZEA

Corn rootworm (northern)
USE DIABROTICA LONGICORNIS

Corn rootworm (southern)
USE DIABROTICA UNDECIMPUNCTATA HOWARDI

Corn rootworm (western)
USE DIABROTICA VIRGIFERA

COROLLA B
BT PERIANTH
RT PETALS

CORTEX		B
BT	STELE	
RT	PARENCHYMA	
CORTICUM ROLFSII		E
UF	SCLEROTIUM ROLFSII	
BT	MYCOSES	
CORTICIUM SASAKII		E
UF	PELLICULARIA SASAKII	
	THANATEPHORUS CUCUMERIS	
BT	MYCOSES	
CORYNA SPP		E
BT	COLEOPTERA	
CORYNEBACTERIUM FLACCUMFACIENS		E
BT	BACTERIOSES	
CORYNESTORA CASSIICOLA		E
UF	CORYNESTORA TARGET SPOT	
	TARGET SPOT (CORYNESTORA)	
BT	MYCOSES	
Corynespora target spot		
USE	CORYNESTORA CASSIICOLA	
COSTS		H
UF	PRODUCTION COSTS	
BT	ECONOMICS	
NT	DEVELOPMENT COSTS	
RT	LABOUR	
COTTON		D
RT	ROTATIONAL CROPS	
Cotton bollworm		
USE	HELIOTHIS ZEA	
Cotton leaf-roller		
USE	SYLEPTA DEROGATA	
Cotton leafworm		
USE	SPODOPTERA LITTORALIS	
Cotton thrips		
USE	FRANKLINIELLA SCHULZEI	
COTYLEDONS		B
UF	LEAF (SEED)	
	SEED-LEAVES	
BT	LEAVES	
RT	EMBRYO	
	PLUMULE	
	SEEDLINGS	

COUMAPHOS

UF CO-RAL
MUSCATOX
BT ACARICIDES
INSECTICIDES

E

COVER CROPS

RT EROSION
LIVE MULCHES
WEEDING

A

Cow pea

USE COWPEAS

Cow-pea

USE COWPEAS

Cowitch

USE VELVET BEANS

Cowpea (Hindu)

USE COWPEAS

Cowpea (wild)

USE VIGNA UNGUICULATA DEKINDTIANA

COWPEA APHID-BORNE MOSAIC VIRUS

UF CAMV
MARMOR VIGNAE
VIGNAVIRUS MACULANS
BT COWPEA MOSAICS
NT ASPARAGUS BEAN MOSAIC VIRUS

E

Cowpea bacterial pustule

USE XANTHOMONAS VIGNICOLA

COWPEA (CHAVALI) MOSAIC VIRUS

UF MARMOR VIGNAE CARJANG
BT CROTALARIA MOSAIC VIRUS
RT COWPEA MOSAICS

E

COWPEA CHLOROTIC MOTTLE VIRUS

BT VIROSES

E

Cowpea downy mildew

USE PHYTOPHTHORA VIGNAE

COWPEA MOSAIC VIRUS

UF COWPEA YELLOW MOSAIC VIRUS
CYMV
BT COWPEA MOSAICS
RT BEAN POD MOTTLE VIRUS
BROAD BEAN STAIN VIRUS

E

COWPEA MOSAICS E
BT VIROSES
NT COWPEA APHID-BORNE MOSAIC VIRUS
COWPEA MOSAIC VIRUS
RT COWPEA (CHAVALI) MOSAIC VIRUS

COWPEA MOTTLE VIRUS E
UF CMEV
BT VIROSES

Cowpea stem anthracnose
USE COLLETOTRICHUM LINDEMUTHIANUM

COWPEA WET STEM ROT
UF STEM ROT (COWPEA WET)
WET STEM ROT (COWPEA)
BT MYCOSES

Cowpea yellow mosaic virus
USE COWPEA MOSAIC VIRUS

COWPEAS A
UF BEAN (BLACK-EYED)
BEAN (LONG)
BLACK-EYED PEA
BLACK-EYED BEAN
CAUPI
COW PEA
COW-PEA
COWPEA (HINDU)
DOLICHOS HASTATUS
DOLICHOS MELANOPHTHALMUS
DOLICHOS OBLIQUIFOLIUS
DOLICHOS OLERACEUS
DOLICHOS SPHAEROSPERMUS
DOLIQUE DE CHINE
EWA
FRIJOL DE COSTA
HARICOT A Oeil NOIR
HINDU COWPEA
KAFFIR PEA
LOBIA
LONG BEAN
MARBLE PEA
NIEBE
PEA (BLACK-EYE)
PEA (COW)
PEA (KAFFIR)
PEA (MARBLE)
PEA (SOUTHERN)
PHASEOLUS SPAEROSPERMUS
POIS A VACHE
SITAO
SOUTHERN PEA
SOUTHERNPEA
VIGNA SINENSIS (q.v.)
BT TROPICAL GRAIN LEGUMES
RT CATJANG
VIGNA UNGUICULATA

Cows
USE DAIRY CATTLE

CPBS
USE FENSON

Crackers
USE BISCUITS

CRACKING
BT PROCESSING

F

Creeping beggar weed
USE DESMODIUM CANUM

Crickets
USE ORTHOPTERA

CRIMSON CLOVER
UF CLOVER (CRIMSON)
TREFLE INCARNAT
BT CLOVERS
RT TRIFOLIUM INCARNATUM

A

CROP LOSSES
UF LOSS OF CROP
RT PESTS
YIELD LOSS

E

Cropping systems
USE CULTIVATION SYSTEMS

Crops (secondary)
USE SECONDARY CROPS

CROSSBREEDING
RT BACKCROSSING
HYBRIDIZING

C

Crossing (reciprocal)
USE RECIPROCAL CROSSING

CROTALARIA MOSAIC VIRUS
UF SOUTHERN SANN-HEMP MOSAIC
BT TOBACCO MOSAIC VIRUS
NT COWPEA (CHAVALI) MOSAIC VIRUS

E

CRUDE OILS
BT OILS

F

CSM
USE BEVERAGES

Cu
USE COPPER

Cuisine
USE COOKING

CULTIVARS

C

UF CULTIVATED VARIETIES
LINES
SELECTIONS
VARIETIES
NT RECOMMENDED VARIETIES
RT ADAPTATION
BREEDING
CLONES
HYBRIDS
SPECIES
VARIATION

Cultivated varieties

USE CULTIVAR

CULTIVATION

D

UF CULTURAL PRACTICES
CULTURE (PLANT)
NT CLIMATIC REQUIREMENTS
DEPODDING
HOEING
MULCHING
NUTRITIONAL REQUIREMENTS
PLANTING
PROPAGATION
PRUNING
SOIL REQUIREMENTS
SOWING
SPACING
WATER REQUIREMENTS
WEEDING
RT AGRONOMY
CULTIVATION SYSTEMS
HARVESTING
LAND PREPARATION
MANAGEMENT PRACTICES
MECHANIZATION

CULTIVATION EQUIPMENT

D

BT FARM IMPLEMENTS
NT CULTIVARS
HOES
PLOUGHS
RAKES
SPADES
HARROWS
FERTILIZER DISTRIBUTORS
SOWING EQUIPMENT

CULTIVATION SYSTEMS

D

UF CROPPING SYSTEMS
BT FARMING SYSTEMS
NT FOLLOWING
MIXED CROPPING
MONOCULTURE

MULTIPLE CROPPING
ROTATIONAL CROPPING
SECONDARY CROPPING
SHIFTING CULTIVATION
RT CULTIVATION
ECONOMICS
MANAGEMENT PRACTICES

CULTIVATORS D
BT CULTIVATION EQUIPMENT
RT HOES
PLOUGHING

Cultural practices
USE CULTIVATION

Culture (plant)
USE CULTIVATION

Culture (tissue)
USE TISSUE CULTURE

CULTURE MEDIA C
RT TISSUE CULTURE

Curd
USE PROTEIN CURD

Curry bean
USE LIMA BEANS

CUTICLE B
BT EPIDERMIS

CUTTINGS D
BT PROPAGATION MATERIALS

CYAMOPSIS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT CYAMOPSIS PSORALIOIDES

Cyamopsis psoraleoides
USE CYAMOPSIS PSORALIOIDES

CYAMOPSIS PSORALIOIDES A
UF CYAMOPSIS PSORALEOIDES
CYAMOPSIS TETRAGONLOBUS
BT CYAMOPSIS
RT CLUSTER BEANS

Cyamopsis tetragonolobus
USE CYAMOPSIS PSORALIOIDES

CYANIDES G
RT HCN

CYANOGEN		G
NT	HCN	
Cyanogenetic glycosides		
USE	CYANOGENIC GLYCOSIDES	
CYANOGENIC GLYCOSIDES		G
SN	Restrict to occurrence in grain legumes, except for information on decomposition or diminution	
UF	CYANOGENETIC GLYCOSIDES GLYCOSIDES (CYANOGENIC)	
NT	LINAMARIN	
RT	GLUCOSE HCN	
Cyclodan		
USE	ENDOSULFAN	
CYCLOHEXIMIDE		E
UF	ACTI-DIONE	
BT	FUNGICIDES	
CYCLURON		E
BT	HERBICIDES	
CYDIA PTYCHORA		E
BT	LEPIDOPTERA	
Cygon insecticide		
USE	DIMETHOATE	
Cylindrocladium scoparium		
USE	CALONECTRIA UNISEPTATA	
CYMV		
USE	COWPEA MOSAIC VIRUS	
CYPRUS VETCH		A
UF	OCHRUS VETCH VETCH (CYPRUS) VETCH (OCHRUS) VETCHLING (WINGED) WINGED VETCHLING	
BT	TROPICAL FORAGE LEGUMES	
RT	LATHYRUS OCHRUS	
CYSTEINE		F
BT	AMINO ACIDS	
CYSTINE		F
BT	AMINO ACIDS	

CYTOGENETICS		C
RT	BREEDING CHROMOSOMES CYTOLOGY GENETICS	
CYTOKININS		B
BT	PLANT-GROWTH SUBSTANCES	
NT	KINETIN ZEATIN	
RT	CELL-DIVISION PROTEIN SYNTHESIS	
CYTOLOGY		C
NT	CELL-DIVISION CELL STRUCTURE	
RT	CYTOGENETICS	
CYTOPLASMIC INHERITANCE		C
UF	EXTRA-NUCLEAR INHERITANCE INHERITANCE (CYTOPLASMIC) INHERITANCE (EXTRA-NUCLEAR) INHERITANCE (NON-MENDELIAN) NON-MENDELIAN INHERITANCE	
RT	INHERITANCE	
CYTOPLASMIC ORGANELLES		C
UF	ORGANELLES	
BT	CELL STRUCTURE	
NT	DICTYOSOMES ENDOPLASMIC RETICULUM MITOCHONDRIA PLASTIDS VACUOLES	
CYTOSINE		C
BT	PYRIMIDINES	
RT	DNA	

2,4-D		E
UF	2,4-DICHLOROPHENOXYACETIC ACID	
BT	HERBICIDES	
DAIRY CATTLE		G
UF	COWS	
	MILK COWS	
BT	DOMESTIC ANIMALS	
RT	MILK	
DAIRY FOODS		G
UF	MILK FOODS	
BT	FOOD PRODUCTS	
NT	CHEESE	
	ICE-CREAM	
	YOGURT	
RT	SOYMILK	
Dairy ices		
USE	ICE-CREAM	
Dal (Khesari)		
USE	LATHYRUS SATIVUS	
DALAPON		E
BT	HERBICIDES	
Damage (mechanical)		
USE	MECHANICAL DAMAGE	
Damself bugs		
USE	NABIS SPP	
DAYLENGTH		D
RT	LIGHT EFFECTS	
	PHOTOPERIOD	
DCMU		
USE	DIURON	
DDT		E
BT	INSECTICIDES	
DDVP		
USE	DICHLORVOS	
De-gummed oils		
USE	DEGUMMED OILS	
De-hulling		
USE	THRESHING	
De-husking		
USE	THRESHING	

DECORSEA		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	DECORSEA DINTERI	
	DECORSEA GALPINII	
	DECORSEA LIVIDA	
	DECORSEA SCHLECHTERI	
DECORSEA	DINTERI	A
UF	PHASEOLUS DINTERI	
BT	DECORSEA	
DECORSEA	GALPINII	A
UF	DOLICHOS GALPINII	
BT	DECORSEA	
DECORSEA	LIVIDA	A
BT	DECORSEA	
DECORSEA	SCHLECHTERI	A
UF	DOLICHOS SCHLECHTERI	
	PHASEOLUS SCHLECHTERI	
BT	DECORSEA	
Deering velvet bean		
USE	FLORIDA VELVET BEANS	
DEFICIENCIES		G
NT	MINERAL DEFICIENCIES	
	PROTEIN DEFICIENCIES	
	VITAMIN DEFICIENCIES	
RT	ABIOTIC DISEASE AGENTS	
	DEFICIENCY DISEASES	
DEFICIENCY DISEASES		G
UF	DISEASES (DEFICIENCY)	
RT	ANIMAL HEALTH	
	DEFICIENCIES	
	HUMAN HEALTH	
DEGUMMED OILS		F
UF	DE-GUMMED OILS	
BT	OILS	
DEMAND		H
RT	CONSUMPTION	
DEMETON-0		E
UF	SYSTOX	
BT	ACARICIDES	
	INSECTICIDES	
DEMETON-0-METHYL		E
UF	METHYL-DEMETON-0	
BT	ACARICIDES	
	INSECTICIDES	

Density (planting)
USE SPACING

Deoxyribonucleic acid
USE DNA

DEOXYRIBOSE

BT SUGARS
RT DNA

F

DEPODDING

UF POD REMOVAL
BT CULTIVATION
RT PODS

D

Depth (sowing)

USE SOWING DEPTH

DESICCANTS

RT DRIERS

F

DESMODIUM

UF MEIBOMIA
BT LEGUMINOSAE-PAPILIONOIDEAE
NT DESMODIUM ADSCENDENS
DESMODIUM BARBATUM
DESMODIUM CANUM
DESMODIUM DIFFUSUM
DESMODIUM DISTORTUM
DESMODIUM GANGETICUM
DESMODIUM GYROIDES
DESMODIUM HETEROPHYLLUM
DESMODIUM NICARAGUENSE
DESMODIUM SALICIFOLIUM
DESMODIUM SCORPIURUS
DESMODIUM TORTUOSUM
DESMODIUM UMBELLATUM
DESMODIUM UNCINATUM
RT TICK CLOVERS

A

DESMODIUM ADSCENDENS

BT DESMODIUM

A

DESMODIUM BARBATUM

BT DESMODIUM

A

DESMODIUM CANUM

UF BEGGAR WEED (CREEPING)
CREEPING BEGGAR WEED
DESMODIUM SUPINUM
BT DESMODIUM

A

DESMODIUM DIFFUSUM

BT DESMODIUM

A

DESMODIUM DISTORTUM

BT DESMODIUM

A

DESMODIUM GANGETICUM BT DESMODIUM	A
DESMODIUM GYROIDES BT DESMODIUM	A
DESMODIUM HETEROPHYLLUM BT DESMODIUM	A
DESMODIUM NICARAGUENSE BT DESMODIUM	A
Desmodium purpureum USE DESMODIUM TORTUOSUM	
DESMODIUM SALICIFOLIUM BT DESMODIUM	A
DESMODIUM SCORPIURUS BT DESMODIUM	A
Desmodium supinum USE DESMODIUM CANUM	
Desmodium tenuiflorum USE MACROTYLOMA TENUIFLORUM	
DESMODIUM TORTUOSUM UF BEGGAR WEED (FLORIDA) DESMODIUM PURPUREUM FLORIDA BEGGAR WEED TALL TICK CLOVER TICK CLOVER (TALL) BT DESMODIUM	A
DESMODIUM UMBELLATUM UF HORSE BUSH BT DESMODIUM	A
DESMODIUM UNCINATUM UF CLOVER (SPANISH) SPANISH CLOVER BT DESMODIUM	A
DESOLVENTIZING UF SOLVENT REMOVAL BT PROCESSING	F
Desoxyribosenucleic acid USE DNA	

DETERIORATION		F
UF	KEEPING QUALITIES	
	SPOILAGE	
	STORABILITY	
NT	MECHANICAL DAMAGE	
RT	MOULDS	
	PESTS	
	STORAGE	
DETERMINACY		D
BT	PLANT HABIT	
NT	DETERMINATE VARIETIES	
	INDETERMINATE VARIETIES	
RT	HARVESTING	
DETERMINATE VARIETIES		D
SN	Cultivars harvested in a single operation	
BT	DETERMINACY	
DETOXIFICATION		G
RT	HCN TOXICITY	
DEVELOPMENT		J
UF	DEVELOPMENT POLICIES	
	POLICIES (DEVELOPMENT)	
	WORK PLANS	
	WORK PROGRAMS	
NT	INDUSTRIALIZATION	
RT	DEVELOPMENT COSTS	
	DEVELOPMENTAL RESEARCH	
Development (plant)		
USE	PLANT DEVELOPMENT	
Development (seasonal)		
USE	SEASONAL DEVELOPMENT	
DEVELOPMENT COSTS		H
BT	COSTS	
RT	DEVELOPMENT	
Development policies		
USE	DEVELOPMENT	
DEVELOPMENTAL RESEARCH		J
BT	RESEARCH	
RT	DEVELOPMENT	

DEVELOPMENTAL STAGES		B
SN	Of grain legumes	
NT	BRANCHING	
	EMERGENCE	
	FLOWERING	
	FRUITING	
	RIPENING	
	GERMINATION	
	ROOTING	
	SEEDLINGS	
RT	PLANT DEVELOPMENT	
Dextrose		
USE	GLUCOSE	
Dha1		
USE	PIGEON PEAS	
Dha1 (red)		
USE	LENTILS	
Dha1 (yellow)		
USE	PIGEON PEAS	
DI-ALLATE		E
UF	DIALATE	
BT	HERBICIDES	
DI-AMMONIUM PHOSPHATE		D
BT	PHOSPHATE FERTILIZERS	
RT	AMMONIUM FERTILIZERS	
DI-CALCIUM PHOSPHATE		D
BT	PHOSPHATE FERTILIZERS	
RT	CALCIUM	
Di-Syston		
USE	DISULFOTON	
DIABROTICA LONGICORNIS		E
UF	CORN ROOTWORM (NORTHERN)	
	NORTHERN CORN ROOTWORM	
BT	COLEOPTERA	
DIABROTICA UNDECIMPUNCTATA HOWARDI		E
UF	CORN ROOTWORM (SOUTHERN)	
	SOUTHERN CORN ROOTWORM	
	SPOTTED CUCUMBER BEETLE	
BT	COLEOPTERA	
DIABROTICA VIRGIFERA		E
UF	CORN ROOTWORM (WESTERN)	
	WESTERN CORN ROOTWORM	
BT	COLEOPTERA	

Diallate
USE DI-ALLATE

DIAPORTHE PHASEOLORUM CAULIVORA E
BT MYCOSES

DIAPORTHE PHASEOLORUM SOJAE E
BT MYCOSES
RT SOYBEAN POD AND STEM BLIGHT

DIAZINON E
BT ACARICIDES
INSECTICIDES

Dibrom
USE NALED

DICHLONE E
UF PHYGON
BT FUNGICIDES

2,4-Dichlorophenoxyacetic acid
USE 2,4-D

Dichlorovinyl dimethyl phosphate
USE DICHLORVOS

DICHLORPROP E
UF 2,4-DP
BT HERBICIDES

DICHLORVOS E
UF DDVP
DICHLOROVINYL DIMETHYL PHOSPHATE
VAPONA
BT ACARICIDES
INSECTICIDES

DICOFOL E
UF KELTHANE
BT ACARICIDES

DICTYOSOMES C
BT CYTOPLASMIC ORGANELLES
RT GOLGI APPARATUS

DIELDRIN E
BT INSECTICIDES

DIETARY PATTERNS G
UF FEEDING REGIMES
PATTERNS (DIETARY)
REGIMES (FEEDING)
RT DIETS
FEEDING PROGRAMS

DIETARY VALUE		G
NT	DIGESTIBILITY FOOD ENERGY PALATABILITY	
RT	DIETS NUTRITIVE VALUE	
DIETS		G
BT	NUTRITION	
RT	DIETARY PATTERNS DIETARY VALUE	
DIFFERENTIATION		B
RT	GROWTH MORPHOGENESIS	
DIGESTIBILITY		G
BT	DIETARY VALUE	
DIGGING HOES		D
UF	HOES (DIGGING)	
BT	HOES	
RT	PLOUGHING	
Dimecron		
USE	PHOSPHAMIDON	
DIMEFOX		E
UF	HANANE PESTOX 14 TERRA-SYAM	
BT	ACARICIDES INSECTICIDES	
DIMETHOATE		E
UF	CYGON INSECTICIDE ROGOR	
BT	ACARICIDES INSECTICIDES	
Dinitroresol		
USE	DNOC	
DINOCAP		E
UF	ARATHANE DNOPC KARATHANE MILDEX	
BT	ACARICIDES FUNGICIDES	
DINOSAM		E
UF	DNAP DNSAP	
BT	ACARICIDES HERBICIDES INSECTICIDES	

DIOCLEA		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	DIOCLEA REFLEXA	
DIOCLEA REFLEXA		A
BT	DIOCLEA	
RT	TROPICAL GRAIN LEGUMES	
DIPOGON		A
UF	VERDCOURTIA	
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	DIPOGON LIGNOSUS	
Dipogon glycinoides		
USE	DIPOGON LIGNOSUS	
DIPOGON LIGNOSUS		A
UF	DIPOGON GLYCINOIDES	
	DOLICHOS BENTHAMII	
	DOLICHOS CURTISII	
	DOLICHOS GIBBOSUS	
	DOLICHOS LIGNOSUS	
	VERDCOURTIA LIGNOSA	
BT	DIPOGON	
DIPTERA		E
UF	FLIES	
BT	INJURIOUS INSECTS	
NT	HYLEMYA PLATURA	
	LIRIOMYZA TRIFOLII	
	MELANAGROMYZA	
DIQUAT		E
BT	HERBICIDES	
Disease carrier		
USE	VECTORS	
DISEASE CONTROL		E
BT	PEST CONTROL	
NT	FUNGICIDES	
	VIRUS INHIBITION	
RT	BIOLOGICAL CONTROL	
	DISEASES AND PATHOGENS	
	HOST-PLANT RESISTANCE	
	PLANT PATHOLOGY	
Disease organisms		
USE	DISEASES AND PATHOGENS	
Disease resistance		
USE	HOST-PLANT RESISTANCE	

DISEASE TRANSMISSION E
UF TRANSMISSION (DISEASE)
NT INSECT TRANSMISSION
NEMATODE TRANSMISSION
SEED TRANSMISSION
SOIL TRANSMISSION
VIRUS TRANSMISSION
RT DISEASES AND PATHOGENS

Diseases (plant)
USE DISEASES AND PATHOGENS

Diseases (bacterial)
USE BACTERIOSES

Diseases (fungal)
USE MYCOSES

Diseases (mycoplasma)
USE MYCOPLASMOSES

Diseases (plant physiological)
USE PLANT PHYSIOLOGICAL DISORDERS

Diseases (seed-borne)
USE SEED-BORNE DISEASES

Diseases (soil-borne)
USE SOIL-BORNE DISEASES

Diseases (virus)
USE VIROSES

DISEASES AND PATHOGENS E
UF DISEASES (PLANT)
PATHOGENS
PLANT DISEASES
BT PESTS
NT BACTERIOSES
MYCOPLASMOSES
MYCOSES
VIROSES
RT ABIOTIC DISEASE AGENTS
ALTERNATIVE HOSTS
DISEASE CONTROL
DISEASE TRANSMISSION
INFECTION
PLANT PATHOLOGY
PLANT PHYSIOLOGICAL DISORDERS
RACES
SEEDLING DISEASES

Disorders (plant physiological)
USE PLANT PHYSIOLOGICAL DISORDERS

Dissertations
USE THESES

Distance
USE SPACING

DISTRIBUTION
UF TRANSPORTATION
RT HANDLING
MARKETING
PACKAGING
STORAGE

F

Distribution (natural)
USE PLANT GEOGRAPHY

Distribution (fertilizer)
USE FERTILIZER DISTRIBUTORS

DISULFOTON
UF DI-SYSTON
DITHIOSYSTOX
THIODEMETON
BT ACARICIDES
INSECTICIDES

E

Dithane D-14
USE NABAM

Dithane M-22
USE MANEB

Dithane Z-78
USE ZINEB

Dithiosystox
USE DISULFOTON

DIURON
UF DCMU
DMU
KARMEX
BT HERBICIDES

E

DMDT
USE METHOXYCHLOR

DMU
USE DIURON

DNA			C
UF	DEOXYRIBONUCLEIC ACID		
	DESOXYRIBOSENUCLEIC ACID		
BT	NUCLEIC ACIDS		
RT	ADENINE		
	CHROMOSOMES		
	CYTOSINE		
	DEOXYRIBOSE		
	GUANINE		
	THYMINE		
DNAP			
USE	DINOSAM		
DNC			
USE	DNOC		
DNOC			E
UF	DINITROCRESOL		
	DNC		
BT	ACARICIDES		
	FUNGICIDES		
	HERBICIDES		
	INSECTICIDES		
DNOPC			
USE	DINOCAP		
DNSAP			
USE	DINOSAM		
DOCUMENTATION			J
BT	INFORMATION SCIENCE		
NT	BIBLIOGRAPHIES		
	THESES		
	REVIEW ARTICLES		
	MAPS		
Docosanoic acid			
USE	BEHENIC ACID		
Dodecanoic acid			
USE	LAURIC ACID		
DODECENOIC ACIDS			F
BT	UNSATURATED FATTY ACIDS		
DODINE			E
BT	FUNGICIDES		
Dog foods			
USE	PET FOODS		

DOLICHOS

A

BT LEGUMINOSAE-PAPILIONOIDEAE
DOLICHOS BIANOENSIS
DOLICHOS FILIFOLIOLUS
DOLICHOS FRAGRANS
DOLICHOS HASTIFORMIS
DOLICHOS ICHTHYOPHONE
DOLICHOS JUNGHUHNIANUS
DOLICHOS JUNODII
DOLICHOS KILIMANDSCHARICUS
DOLICHOS LUALABENSIS
DOLICHOS LUTICOLA
DOLICHOS MAGNIFICUS
DOLICHOS MENDONCAE
DOLICHOS REPTANS
DOLICHOS SERICEUS
DOLICHOS TRILOBUS L

Dolichos acinaciformis
USE CANAVALIA ENSIFORMIS DC

Dolichos africanus
USE MACROTYLOMA AFRICANUM

Dolichos ahipa
USE PACHYRHIZUS AHIPA

Dolichos angularis
USE VIGNA ANGULARIS

Dolichos argenteus
USE PSEUDOVIGNA ARGENTEA

Dolichos axillaris
USE MACROTYLOMA AXILLARE

Dolichos baumannii
USE MACROTYLOMA TENUIFLORUM

Dolichos bean
USE LABLAB

Dolichos benadirianus
USE MACROTYLOMA UNIFLORUM BENADIRIANUM

Dolichos bengalensis
USE LABLAB PURPUREUS BENGALENSIS

Dolichos benthamii
USE DIPOGON LIGNOSUS

DOLICHOS BIANOENSIS
BT DOLICHOS

A

Dolichos *bieensis*
USE MACROTYLOMA BIEENSE

Dolichos *biflorus* auctt
USE MACROTYLOMA UNIFLORUM

Dolichos *biflorus* L
USE VIGNA UNGUICULATA UNGUICULATA

Dolichos *brevicaulis*
USE MACROTYLOMA BREVICAULE

Dolichos *buchanani*
USE DOLICHOS KILIMANDSCHARICUS

Dolichos *catjang*
USE VIGNA UNGUICULATA CYLINDRICA

Dolichos *chrysanthus*
USE MACROTYLOMA CHRYSANTHUM

Dolichos *ciliatus*
USE MACROTYLOMA CILIATUM

Dolichos *curtisi*
USE DIPOGON LIGNOSUS

Dolichos *daltonii*
USE MACROTYLOMA DALTONII

Dolichos *densiflorus*
USE MACROTYLOMA DENSIFLORUM

Dolichos *dewildemanianus*
USE MACROTYLOMA DEWILDEMANIANUM

Dolichos *dillonii*
USE VIGNA OBLONGIFOLIA

Dolichos *dissectus*
USE VIGNA ACONITIFOLIA

Dolichos *ellipticus*
USE MACROTYLOMA ELLIPTICUM

DOLICHOS ENATION MOSAIC VIRUS
BT VIROSES
RT TOBACCO MOSAIC VIRUS

Dolichos *erectus*
USE MACROTYLOMA DEWILDEMANIANUM

E

Dolichos eriocaulus
USE MACROTYLOMA ELLIPTICUM

Dolichos errabundus
USE AUSTRODOLICHOS ERRABUNDUS

Dolichos esculentus
USE MACROTYLOMA FIMBRIATUM

DOLICHOS FILIFOLIOLUS A
BT DOLICHOS

Dolichos fimbriatus
USE MACROTYLOMA FIMBRIATUM

Dolichos fischeri
USE MACROTYLOMA STIPULOSUM

Dolichos formosus
USE DOLICHOS SERICEUS FORMOSUS

DOLICHOS FRAGRANS A
BT DOLICHOS

Dolichos galpinii
USE DECORSEA GALPINII

Dolichos gibbosus
USE DIPOGON LIGNOSUS

Dolichos goetzei
USE DOLICHOS KILIMANDSCHARICUS

Dolichos hastatus
USE COWPEAS

Dolichos hastifolius
USE COWPEAS

DOLICHOS HASTIFORMIS A
UF VIGNA DEBILIS
BT DOLICHOS

Dolichos hendrickxii
USE MACROTYLOMA DENSIFLORUM

Dolichos henryi
USE DOLICHOS JUNGHUHNIANUS

Dolichos hockii
USE MACROTYLOMA HOCKII

Dolichos hosei
USE VIGNA HOSEI

DOLICHOS ICHTHYOPHONE A
BT DOLICHOS

Dolichos japonicus
USE PUERARIA THUNBERGIANA

Dolichos jumellei
USE ALISTILUS JUMELLEI

DOLICHOS JUNGHUENIANUS A
UF DOLICHOS HENRYI
BT DOLICHOS

DOLICHOS JUNODII A
UF VIGNA JUNODII
BT DOLICHOS

Dolichos kasaiensis
USE MACROTYLOMA KASAIENSE

Dolichos katangensis
USE MACROTYLOMA KATANGENSE

DOLICHOS KILIMANDSCHARICUS A
UF DOLICHOS BUCHANANII
DOLICHOS GOETZEI
DOLICHOS LUPINIFLORUS
DOLICHOS LUPINOIDES
DOLICHOS MALOSANUS
DOLICHOS STOLZII
TEPHROSIA SERICEA
BT DOLICHOS

Dolichos lablab
USE LABLAB PURPUREUS

Dolichos lablab bengalensis
USE LABLAB PURPUREUS BENGALENSIS

Dolichos lablab rhomboideus
USE LABLAB PURPUREUS RHOMBOIDEUS

Dolichos lablab uncinatus
USE LABLAB PURPUREUS UNCINATUS

DOLICHOS LABLAB YELLOW MOSAIC VIRUS E
BT VIROSES

Dolichos lagopus
USE SINODOLICHOS LAGOPUS

Dolichos lignosus
USE DIPOGON LIGNOSUS

Dolichos longistipellatus
USE MACROTYLOMA RUPESTRE

DOLICHOS LUALABENSIS A
BT DOLICHOS

Dolichos	lupiniflorus	
USE	DOLICHOS KILIMANDSCHARICUS	
Dolichos	lupinoides	
USE	DOLICHOS KILIMANDSCHARICUS	
DOLICHOS	LUTICOLA	A
BT	DOLICHOS	
DOLICHOS	MAGNIFICUS	A
BT	DOLICHOS	
Dolichos	malosanus	
USE	DOLICHOS KILIMANDSCHARICUS	
Dolichos	maranguensis	
USE	VIGNA PARKERI MARANGUENSIS	
Dolichos	melanophthalmus	
USE	COWPEAS	
DOLICHOS	MENDONCAE	A
BT	DOLICHOS	
Dolichos	monachalis	
USE	VIGNA UNGUICULATA CYLINDRICA	
Dolichos	obliquifolius	
USE	COWPEAS	
Dolichos	oleraceus	
USE	COWPEAS	
Dolichos	oliganthus	
USE	MACROTYLOMA OLIGANTHUM	
Dolichos	pearsonii	
USE	LABLAB PURPUREUS RHOMBOIDEUS	
Dolichos	pilosus	
USE	VIGNA PILOSA	
Dolichos	polystachos	
USE	CANAVALIA POLYSTACHA	
Dolichos	purpureus	
USE	LABLAB PURPUREUS	
DOLICHOS	REPTANS	A
BT	DOLICHOS	
Dolichos	reticulatus	
USE	VIGNA TENUIS	
Dolichos	ringoetii	
USE	MACROTYLOMA DENSIFLORUM	

Dolichos rupestris
USE MACROTYLOMA RUPESTRE

Dolichos schlechteri
USE DECORSEA SCHLECHTERI

DOLICHOS SERICEUS A
BT DOLICHOS
NT DOLICHOS SERICEUS FORMOSUS
DOLICHOS SERICEUS GLABRESCENS
DOLICHOS SERICEUS PSEUDOFALCATUS
DOLICHOS SERICEUS SERICEUS

DOLICHOS SERICEUS FORMOSUS A
UF DOLICHOS FORMOSUS
BT DOLICHOS SERICEUS

DOLICHOS SERICEUS GLABRESCENS A
BT DOLICHOS SERICEUS

DOLICHOS SERICEUS PSEUDOFALCATUS A
BT DOLICHOS SERICEUS

DOLICHOS SERICEUS SERICEUS A
UF DOLICHOS SHUTEROIDES
RHYNCHOSIA SPHAEROCEPHALA
BT DOLICHOS SERICEUS

Dolichos sesquipedalis
USE VIGNA UNGUICULATA SESQUIPEDALIS

Dolichos shuteroides
USE DOLICHOS SERICEUS SERICEUS

Dolichos sinensis
USE VIGNA UNGUICULATA UNGUICULATA

Dolichos soja
USE GLYCINE MAX

Dolichos sphaerospermus
USE COWPEAS

Dolichos stenophyllus
USE MACROTYLOMA STENOPHYLLUM

Dolichos stipulosus
USE MACROTYLOMA STIPULOSUM

Dolichos stolzii
USE DOLICHOS KILIMANDSCHARICUS

Dolichos subcarnosus
USE VIGNA GRAHAMIANA

Dolichos suffultus
USE PSOPHOCARPUS PALUSTRIS

Dolichos taubertii
USE MACROTYLOMA MARANGUENSE

Dolichos tenuiflorus
USE MACROTYLOMA TENUIFLORUM

Dolichos tranquebaricus
USE VIGNA UNGUICULATA CYLINDRICA

Dolichos trilobatus
USE VIGNA TRILOBATA

DOLICHOS TRILOBUS L A
BT DOLICHOS
NT DOLICHOS TRILOBUS OCCIDENTALIS
DOLICHOS TRILOBUS TRANSVAALICUS
DOLICHOS TRILOBUS TRILOBUS

DOLICHOS TRILOBUS OCCIDENTALIS A
BT DOLICHOS TRILOBUS L

Dolichos trilobus Thunb
USE VIGNA UNGUICULATA PROTRACTA

DOLICHOS TRILOBUS TRANSVAALICUS A
BT DOLICHOS TRILOBUS L

DOLICHOS TRILOBUS TRILOBUS A
BT DOLICHOS TRILOBUS L

Dolichos umbellatus
USE VIGNA UMBELLATA

Dolichos uncinatus
USE LABLAB PURPUREUS UNCINATUS

Dolichos unguiculatus
USE VIGNA UNGUICULATA UNGUICULATA

Dolichos uniflorus
USE MACROTYLOMA UNIFLORUM

Dolichos viscosus
USE CANAVALIA POLYSTACHA

Dolichos zanzibarensis
USE MACROTYLOMA MARANGUENSE

Dolichovigna formosana
USE VIGNA PILOSA

Dolique de Chine
USE COWPEAS

Dolique d'Egypte
USE LABLAB

Dolique lablab
USE LABLAB

DOMESTIC ANIMALS
UF ANIMALS (DOMESTIC)
FARM ANIMALS
LIVESTOCK

G

NT CATTLE
GOATS
POULTRY
SHEEP
SWINE
RT FEEDS AND FEEDING

Doralis fabae
USE APHIS FABAE

DOUBLE BEAN YELLOW MOSAIC VIRUS
UF PHASEOLUS LUNATUS YELLOW MOSAIC VIRUS
BT VIROSES

E

DOUBLE SUPERPHOSPHATE
BT SUPERPHOSPHATE

D

DOUGHS
RT BAKED CAKES
BISCUITS
BREADS
EMULSIFIERS
PASTA

G

Downy mildew (bean)
USE PHYTOPHTHORA PHASEOLI

Downy mildew (cowpea)
USE PHYTOPHTHORA VIGNAE

Downy mildew (lima bean)
USE PHYTOPHTHORA PHASEOLI

2, 4-DP
USE DICHLORPROP

DPA
USE PROPANIL

DRAINAGE
BT SOIL REQUIRMENTS
RT WATER MANAGEMENT

D

Dressing (seed)
USE SEED TREATMENT

DRIERS F
SN Grain-drying equipment
BT PROCESSING EQUIPMENT
RT DESICCANTS
DRYING

DRILLING MUDS G
UF MUDS (DRILLING)
OIL-DRILLING MUDS
BT INDUSTRIAL USES

Drills (seed)
USE SEED DRILLS

Drinks
USE BEVERAGES

DROUGHT D
UF ARIDITY
DRYNESS
RT ARID LAND
WATER REQUIREMENTS
HOST-PLANT RESISTANCE

Drought resistance
USE HOST-PLANT RESISTANCE

DRY MATTER F
BT COMPOSITION

DRY SEASON D
BT SEASONS

DRYING F
BT PROCESSING
RT DRIERS
STORAGE RELATIVE HUMIDITY
STORAGE STRUCTURES

Dryness
USE DROUGHT

DUNG D
UF FARMYARD MANURE
BT MANURES

DUPLICATE GENES C
SN Non-allelic genes of identical
non-cumulative effect
BT GENES
RT POLYMERIC GENES

DUSTING		E
BT	PEST CONTROL METHODS	
DWARF BEANS		A
UF	BEAN (BUSH)	
	BEAN (DWARF)	
	BUSH BEAN	
	HARICOT NAIN	
	JUDIA ENANA	
BT	KIDNEY BEANS	
Dybar		
USE	FENURON	
DYSMICOCCLUS BREVIPES		E
UF	PSEUDOCOCCUS BREVIPES	
BT	HOMOPTERA	

Earth pea
USE BAMBARRA GROUNDNUTS

ECOLOGY B
NT BIOLOGICAL COMPETITION
SYMBIOSIS
RT CLIMATIC REQUIREMENTS
PESTS
PHENOLOGY
PLANT GEOGRAPHY
PLANT POPULATIONS
RHIZOSPHERE
SOIL FAUNA
SOIL FLORA
SOIL REQUIREMENTS
WATER REQUIREMENTS

ECONOMIC ASPECTS G
RT ECONMICS
USES

ECONOMIC FACTORS H
RT ECONOMICS

ECONOMICS H
NT CONSUMPTION
COSTS
INCOME
LABOUR
PRICES
RT CULTIVATION SYSTEMS
ECONOMIC ASPECTS
ECONOMIC FACTORS
MARKETING
PRODUCTION

Economics (home)
USE HOME ECONOMICS

Edaphic requirements
USE SOIL REQUIREMENTS

EDUCATION J
RT TRAINING

Eelworms
USE NEMATODES

EGGS G
RT POULTRY

Egyptian bean
USE LABLAB

EGYPTIAN CLOVER A
UF ALEXANDRIAN CLOVER
BERSEEM
CLOVER (ALEXANDRIAN)
CLOVER (EGYPTIAN)
BT CLOVERS
RT TRIFOLIUM ALEXANDRINUM

EGYPTIAN LUPIN A
UF LUPIN (EGYPTIAN)
BT LUPINS
RT LUPINUS TERMIS

Egyptian pea
USE CHICK PEAS

Eicosanoic acid
USE ARACHIDIC ACID

5,8,11,14-Eicosatetraenoic acid
USE ARACHIDONIC ACID

Ekatin
USE THIOMETON

ELASMOPALPUS LIGNOSELLUS E
UF LESSER CORNSTALK BORER
BT LEPIDOPTERA

ELECTRO-MAGNETIC CONTROL E
SN Of pests
BT PHYSICAL METHODS

Elevation
USE ALTITUDE

ELSINOE PHASEOLI E
BT MYCOSES

EMASCULATION C
UF CASTRATION
BT BREEDING METHODS
RT ANTHERS
MORPHOLOGICAL STERILITY

EMBRYO B
UF SEED-GERM
BT SEEDS
NT PLUMULE
RADICLE
RT COTYLEDONS
SEEDLINGS

Embryology (plant)
USE MORPHOGENESIS

EMERGENCE		B
UF	SEEDLING EMERGENCE	
BT	DEVELOPMENTAL STAGES	
RT	PRE-EMERGENCE HERBICIDES SEEDLINGS	
EMPOASCA	SPP	E
BT	HOMOPTERA	
EMS		
USE	ETHYL METHANESULPHONATE	
EMULSIFIERS		G
RT	DOUGHS	
ENDOPLASMIC RETICULUM		C
UF	ERGASTOPLASM	
BT	CYTOPLASMIC ORGANELLES	
RT	GOLGI APPARATUS RIBOSOMES	
Endosan		
USE	BINAPACRYL	
ENDOSPERM		B
BT	SEEDS	
RT	OILS	
ENDOSULFAN		E
UF	CYCLODAN THIODAN	
BT	ACARICIDES INSECTICIDES	
ENDOTHION		E
BT	ACARICIDES INSECTICIDES	
ENDRIN		E
BT	INSECTICIDES	
ENERGY PRODUCTIVITY		H
BT	PRODUCTIVITY	
Ensilage		
USE	SILAGE	
ENTOMOLOGY		E
UF	ACAROLOGY	
NT	INSECT BIOLOGY	
RT	INJURIOUS INSECTS INJURIOUS MITES INSECT AGENTS INSECT CONTROL MITE CONTROL POLLINATING INSECTS	

Entomophily

USE INSECT POLLINATION

ENVIRONMENTAL EFFECTS

D

NT LIGHT EFFECTS
MOISTURE EFFECTS
TEMPERATURE EFFECTS
WIND EFFECTS
RT ABIOTIC DISEASE AGENTS
AGRONOMY
CLIMATIC REQUIREMENTS
LATITUDE
PLANT WEATHERING
SOIL REQUIREMENTS
WATER REQUIREMENTS

ENZYMES

B

NT HYDROGENASE
LINAMARASE
LIPOXYGENASE
MALTASE
NITROGENASE
SUCRASE
RT CO-ENZYMES

EPICAUTA ALBOVITTATA

E

UF STRIPED BLISTER BEETLE
BT COLEOPTERA

EPICOTYL

B

BT SEEDLINGS
RT STEMS

EPIDEMIOLOGY

E

RT DISEASES AND PATHOGENS

EPIDERMIS

B

BT PLANT TISSUES
NT CUTICLE
HAIRS
RT STOMATA

EPILACHNA VARIVESTIS

E

UF MEXICAN BEAN BEETLE
BT COLEOPTERA

EPISOMES

C

BT GENETIC ELEMENTS

Eradex

USE THIOQUINOX

ERBON

E

UF BARON (DOW)
BT HERBICIDES

ERECT HABIT D
BT PLANT HABIT

Ergastoplasm
USE ENDOPLASMIC RETICULUM

Eriophyids
USE INJURIOUS MITES

Eriosema lobophyllum
USE PSEUDEMINIA LOBOPHYLLUM

Eriosema muxiria
USE PSEUDEMINIA MUXIRIA

Eriosema urostachyum
USE PSEUDEMINIA COMOSA

EROSION D
UF SOIL EROSION
BT WATER MANAGEMENT
RT COVER CROPS
RUN-OFF

Ervum lens
USE LENS CULINARIS

ERYSIPHE COMMUNIS PISI E
BT MYCOSES
RT PEA POWDERY MILDEW

ESCHERICHIA COLI D
BT SOIL FLORA

Ethyl dichlorobenzilate
USE CHLOROBENZILATE

Ethyl guthion
USE AZINPHOS-ETHYL

ETHYL METHANESULPHONATE
UF EMS
BT MUTAGENS

ETIELLA ZINCKENELLA E
UF PEA POD BORER
BT LEPIDOPTERA

EVALUATION J
UF ASSESSMENT
METHODS (SCREENING)
SCREENING METHODS
BT EXPERIMENTAL TECHNIQUES
RT ROGUING
SELECTION

Ewa
USE COWPEAS

EXPERIMENT DESIGN J
RT RESEARCH

Experimental methods
USE EXPERIMENTAL TECHNIQUES

EXPERIMENTAL TECHNIQUES J
UF EXPERIMENTAL METHODS
METHODS (EXPERIMENTAL)
TECHNIQUES (EXPERIMENTAL)
NT EVALUATION
RT RESEARCH

Experimentation
USE RESEARCH

Exploration (plant)
USE PLANT EXPLORATION

Exporting
USE TRADE

Extra-nuclear inheritance
USE CYTOPLASMIC INHERITANCE

Extraction (oil)
USE OIL EXTRACTION

EXTRACTORS F
BT PROCESSING EQUIPMENT
RT OIL EXTRACTION

EXTRUDERS F
BT PROCESSING EQUIPMENT
RT EXTRUSION

EXTRUSION F
UF THERMOPLASTIC EXTRUSION
BT PROCESSING
RT EXTRUDERS

F1 HYBRIDS C
RT HETEROSIS
HYBRID VIGOUR

Faba bean
USE BROAD BEANS

Faba vulgaris
USE VICIA FABA

Factories
USE PROCESSING PLANTS

Fall
USE AUTUMN

FALLOWING D
BT CULTIVATION SYSTEMS
RT SOIL FERTILITY

Farm animals
USE DOMESTIC ANIMALS

FARM IMPLEMENTS D
UF FARM TOOLS
IMPLEMENTS (FARM)
TOOLS (FARM)
NT CULTIVATION EQUIPMENT
HARVESTING EQUIPMENT
PLANT PROTECTION EQUIPMENT

Farm tools
USE FARM IMPLEMENTS

Farming (mixed)
USE MIXED FARMING

FARMING SYSTEMS D
NT CULTIVATION SYSTEMS
MIXED FARMING

Farmyard manure
USE DUNG

FAT CONTENT F
UF OIL CONTENT
BT COMPOSITION
NT FATTY ACIDS
RT OILS
LIPO-PROTEIN

FATTENING G
BT FEEDS AND FEEDING

FATTY ACIDS		F
BT	FAT CONTENT	
NT	SATURATED FATTY ACIDS	
	UNSATURATED FATTY ACIDS	
Fatty acids (saturated)		
USE	SATURATED FATTY ACIDS	
Fatty acids (unsaturated)		
USE	UNSATURATED FATTY ACIDS	
Fauna (soil)		
USE	SOIL FAUNA	
Fava bean		
USE	BROAD BEANS	
Fe		
USE	IRON	
FEED CONSTITUENTS		G
BT	FEEDS AND FEEDING	
RT	CAKES	
	CONCENTRATES	
	HULLS	
	MEALS	
	MINERALS AND NUTRIENTS	
FEED MIXTURES		G
UF	BLENDS	
BT	FEEDS AND FEEDING	
FEED SUPPLEMENTS		G
UF	SUPPLEMENTS (FEED)	
BT	FEEDS AND FEEDING	
FEEDING PROGRAMS		G
UF	PROGRAMMES (FEEDING)	
RT	DIETARY PATTERNS	
Feeding regimes		
USE	DIETARY PATTERNS	
FEEDS AND FEEDING		G
UF	ANIMAL FOODSTUFFS	
	FOODSTUFFS (ANIMAL)	
	LIVESTOCK FEEDS	
BT	USES	
NT	FATTENING	
	FEED CONSTITUENTS	
	FEED MIXTURES	
	FEED SUPPLEMENTS	
	FINISHING	
	FODDERS	
	FORAGE	

	MILK REPLACERS	
	PET FOODS	
	SILAGE	
RT	DOMESTIC ANIMALS	
	NUTRITION	
	WASTE UTILIZATION	
FENCHLORPHOS		E
UF	KORLAN	
	RONNEL	
	TROLENE	
BT	ACARICIDES	
	INSECTICIDES	
FENOPROP		E
UF	SILVEX	
	2,4,5-TP	
BT	HERBICIDES	
FENSON		E
UF	CPBS	
	PCPBS	
BT	ACARICIDES	
FENTIN		E
UF	TRIPHENYLTIN	
BT	FUNGICIDES	
FENUGREEK		A
BT	TROPICAL FORAGE LEGUMES	
RT	TRIGONELLA FOENUM-GRAECUM	
FENURON		E
UF	DYBAR	
BT	HERBICIDES	
FERBAM		E
BT	FUNGICIDES	
Fern-leaved nitta tree		
USE	PARKIA FILICOIDEA	
FERTILISATION		B
BT	PLANT REPRODUCTION	
NT	SELF-FERTILISATION	
RT	POLLINATION	
Fertility (plant)		
USE	PLANT FERTILITY	
Fertility (soil)		
USE	SOIL FERTILITY	

FERTILIZER DISTRIBUTORS

D

SN Implements for field distribution
of fertilizers
UF DISTRIBUTORS (FERTILIZER)
BT CULTIVATION EQUIPMENT
RT FERTILIZERS

Fertilizer placement

USE PLACEMENT

FERTILIZERS

D

BT NUTRITIONAL REQUIREMENTS
NT LIME
NITROGEN FERTILIZERS
PHOSPHATE FERTILIZERS
POTASSIUM FERTILIZERS
RT FERTILIZER DISTRIBUTORS
PLACEMENT

Fève créole

USE LIMA BEANS

Fibers (spun protein)

USE SPUN PROTEIN FIBRES

FIBRE CONTENT

F

BT COMPOSITION
NT CELLULOSE

Fibres (spun protein)

USE SPUN PROTEIN FIBRES

Field bean

SN Diverse legumes are known under
this term. If known to be
Phaseolus,
USE KIDNEY BEANS
If known to be Vicia,
USE BROAD BEANS
When there is doubt,
USE KIDNEY BEANS

FIELD EXPERIMENTS

J

UF FIELD RESEARCH METHODS
FIELD TRIALS
PLOT TESTS
BT RESEARCH

Field pea

USE COMMON PEAS

Field research methods

USE FIELD EXPERIMENTS

Field trials
USE FIELD EXPERIMENTS

FILAMENTS B
BT STAMENS

Filet
USE FRENCH BEANS

FINISHING G
BT FEEDS AND FEEDING

FISH SIMULANTS G
UF SIMULATED FISH PRODUCTS
BT FOOD PRODUCTS

FLAKES F
BT PROCESSED PRODUCTS

FLAKING F
BT PROCESSING

Flat pea
USE LATHYRUS SYLVESTRIS

Flavour
USE PALATABILITY

FLAVOUR RETENTION G
BT FLOUR QUALITIES
RT PALATABILITY

Flora (soil)
USE SOIL FLORA

Florida beggar weed
USE DESMODIUM TORTUOSUM

FLORIDA VELVET BEANS A
UF BEAN (DEERING VELVET)
BEAN (FLORIDA VELVET)
BEAN (GEORGIA VELVET)
DEERING VELVET BEAN
GEORGIA VELVET BEAN
VELVET BEAN (DEERING)
VELVET BEAN (FLORIDA)
VELVET BEAN (GEORGIA)
BT VELVET BEANS
RT MUCUNA DEERINGIANA

Flour (cassava)
USE TAPIOCA FLOUR

Flour (Mysore)
USE MYSORE FLOUR

Flour (tapioca)
USE TAPIOCA FLOUR

FLOUR QUALITIES G
UF QUALITIES (FLOUR)
NT FOAMING CAPACITY
FLAVOUR RETENTION
BAKING QUALITY
RT FLOURS

FLOURS G
BT FOOD PRODUCTS
NT MYSORE FLOUR
TAPIOCA FLOUR
RT FLOUR QUALITIES
PROCESSED PRODUCTS

FLOWERING B
BT DEVELOPMENTAL STAGES
NT ANTHESIS
RT FLOWERS
MATURATION

FLOWERS B
BT INFLORESCENCES
NT CARPELS
GYNOECIUM
PEDICELS
PETALS
SEPALS
STAMENS
RT FLOWERING
PERIANTH

FLUORBENSIDE E
UF FLUORPARACIDE
FLUORSULPHACIDE
BT ACARICIDES

Fluorparacide
USE FLUORBENSIDE

Fluorsulphacide
USE FLUORBENSIDE

FOAMING F
BT PROCESSING
RT FOAMING CAPACITY

FOAMING CAPACITY G
BT FLOUR QUALITIES
RT FOAMING

FODDERS		G
BT	FEEDS AND FEEDING	
RT	SILAGE	
FOLIAGE		B
NT	CANOPY	
RT	LEAVES	
Folklore		
USE	TRADITIONS	
FOOD ADDITIVES		G
UF	ADDITIVES (FOOD)	
BT	FOOD PRODUCTS	
RT	FOOD BINDERS LECITHIN	
FOOD BINDERS		G
UF	BINDERS (FOOD)	
BT	FOOD PRODUCTS	
RT	FOOD ADDITIVES	
Food choice		
USE	CONSUMER PREFERENCES	
FOOD ENERGY		G
UF	CALORIES CALORIFIC VALUE	
BT	DIETARY VALUE	
Food-plant range		
USE	HOST RANGE	
FOOD PRODUCTS		G
UF	FOODS	
BT	USES	
NT	BAKED CAKES BEVERAGES BISCUITS BREADS CEREAL FOODS CONDIMENTS DAIRY FOODS FISH SIMULANTS FLOURS FOOD ADDITIVES FOOD BINDERS INFANT- FOODS MEAT SIMULANTS PASTA SOUPS SOYMILK	
RT	MEALS NUTRITION VEGETABLES	

Food value
USE NUTRITIVE VALUE

Foods (forbidden)
USE TABOOS

Foodstuffs (animal)
USE FEEDS AND FEEDING

FORAGE G
BT FEEDS AND FEEDING

FORAGE LEGUMES A
UF HERBAGE LEGUMES
PASTURE LEGUMES
BT LEGUMES
NT TROPICAL FORAGE LEGUMES

Forbidden foods
USE TABOOS

Fowls
USE POULTRY

FRANKLINIELLA SCHULZEI E
UF COTTON THRIPS
BT THYSANOPTERA

FREEZING F
BT PROCESSING

FRENCH BEANS A
UF BEAN (FRENCH)
BEAN (GREEN)
BEAN (NAVY)
BEAN (PEA)
BEAN (PINTO)
BEAN (POLE)
BEAN (PRINCESS)
BEAN (SNAP)
BEAN (STRING)
BEAN (WAX)
FILET
GREEN BEAN
HARICOT VERT
JUDIA VERDE
NAVY BEAN
PEA BEAN
PINTO BEAN
POLE BEAN
PRINCESS BEAN
SNAP BEAN
STRING BEAN
WAX BEAN
BT KIDNEY BEANS

FRESH PRODUCTS		F
UF	UNPROCESSED PRODUCTS	
BT	PRODUCTS	
NT	VEGETABLES	
	HULLS	
Frijol de costa		
USE	COWPEAS	
Frijoles		
USE	KIDNEY BEANS	
Fructification		
USE	FRUITING	
FRUCTOSE		F
UF	LAEVULOSE	
BT	HEXOSE SUGARS	
RT	SUCROSE	
Fruit pods		
USE	PODS	
FRUITING		B
UF	FRUCTIFICATION	
BT	DEVELOPMENTAL STAGES	
RT	FRUITS	
	PARTHENOCARPY	
FRUITS		B
BT	INFRUTESCENCES	
NT	FUNICLE	
	PERICARP	
	PODS	
RT	CARPELS	
	FRUITING	
	SEEDS	
FUMIGATION		E
BT	PEST CONTROL METHODS	
Fungal diseases		
USE	MYCOSES	
Fungicide resistance		
USE	PESTICIDE RESISTANCE	
FUNGICIDES		E
BT	DISEASE CONTROL	
	PESTICIDES	
NT	BENOMYL	
	BINAPACRYL	
	CAPTAN	
	CARBOXIN	
	CHLORANIL	

CHLOROPICRIN
CYCLOHEXIMIDE
DICHLONE
DINOCAP
DNOC
DODINE
FENTIN
FERBAM
MANEB
NABAM
THIOQUINOX
THIRAM
ZINEB

FUNICLE B
UF SEED STALKS
STALKS (SEED)
BT FRUITS
RT HILUM
SEEDS

6-Furfuryl-aminopurine
USE KINETIN

Fusarium lateritium cajani
USE FUSARIUM UDUM

FUSARIUM OXYSPORUM E
BT MYCOSES

FUSARIUM OXYSPORUM FABAE E
UF BEAN FUSARIUM WILT
FUSARIUM WILT (BEAN)
BT MYCOSES

FUSARIUM OXYSPORUM LENTIS E
UF FUSARIUM WILT (LENTIL)
LENTIL FUSARIUM WILT
BT MYCOSES

FUSARIUM OXYSPORUM PISI E
BT MYCOSES
RT PEA POWDERY MILDEW

FUSARIUM SOLANI E
BT MYCOSES

FUSARIUM SOLANI PHASEOLI E
BT MYCOSES

FUSARIUM UDUM E
UF FUSARIUM LATERITIUM CAJANI
BT MYCOSES

Fusarium wilt (bean)
USE FUSARIUM OXYSPORUM FABAE

Fusarium wilt (lentil)
USE FUSARIUM OXYSPORUM LENTIS

Galactia oxyphylla
USE SINODOLICHOS OXYPHYLLUS

GALACTOSE F
BT HEXOSE SUGARS

Gall mites
USE INJURIOUS MITES

GAMETES C
RT GENETICS
OVULES
POLLEN
ZYGOTES

Gamma-irradiation
USE IRRADIATION

Gammexane
USE BHC

Garbanzos
USE CHICK PEAS

Garden bean
USE KIDNEY BEANS

Garden pea
USE COMMON PEAS

Geigy 338
USE CHLOROBENZILATE

GENE POOLS C
UF GERMLASM COLLECTIONS
BT GENETIC RESOURCES

GENERATIONAL STERILITY C
BT STERILITY

GENES C
BT GENETICS
NT COMPLEMENTARY GENES
DUPLICATE GENES
LETHAL GENES
MAJOR GENES
MODIFYING GENES
POLYGENES
POLYMERIC GENES
SUPERGENES
RT ALLELES
CHROMOSOME MANIPULATION
CHROMOSOMES
GENOTYPES
INHERITANCE

GENETIC CODE		C
UF	CODE (GENETIC)	
BT	GENETIC TRANSFORMATION	
RT	AMINO ACIDS MESSENGER RNA NUCLEOTIDES PROTEIN SYNTHESIS	
GENETIC ELEMENTS		C
NT	EPISOMES PLASMIDS	
Genetic improvement		
USE	BREEDING	
GENETIC RESOURCES		C
UF	RESOURCES (GENETIC)	
NT	GENE POOLS	
RT	PLANT INTRODUCTION	
GENETIC TRANSFORMATION		C
NT	GENETIC CODE	
RT	GENETICS	
GENETICS		C
NT	GENES	
RT	BREEDING CYTOGENETICS GENETIC TRANSFORMATION GERMPLASM GENETIC ELEMENTS GAMETES	
GENOMES		C
RT	CHROMOSOMES	
GENOTYPES		D
RT	AGRONOMIC CHARACTERS GENES	
GEOCARPA GROUNDNUTS		
UF	BEAN (GROUND) GROUND BEAN GROUNDNUT (GEOCARPA) GROUNDNUT (HAUSA) HAUSA GROUNDNUT KERSTING'S GROUNDNUT	
BT	TROPICAL GRAIN LEGUMES	
RT	KERSTINGIELLA GEOCARPA	
GEOCORIS SPP		E
UF	BIG-EYED BUGS	
BT	HETEROPTERA	

Geography (plant)

USE PLANT GEOGRAPHY

Georgia velvet bean

USE FLORIDA VELVET BEAN

Germ plasm

USE GERMLASM

GERMINABILITY

B

BT GERMINATION

RT SEED QUALITY

GERMINATION

B

BT DEVELOPMENTAL STAGES

NT GERMINABILITY

RT PLANT FERTILITY

PLANT TOXINS

SEEDS

GERMINATION TESTS

D

BT SEED QUALITY

RT SEED VIABILITY

GERMPLASM

C

UF GERM PLASM

RT GENETICS

Germplasm collections

USE GENE POOLS

Gesaprim

USE ATRAZINE

Gesatop

USE SIMAZINE

Ghurush

USE RICE BEANS

GIBBERELLINS

B

BT PLANT-GROWTH SUBSTANCES

Gladiolus mosaic virus

USE BEAN YELLOW MOSAIC VIRUS

GLUCOSE

F

UF DEXTROSE

BT HEXOSE SUGARS

RT CYANOGENIC GLYCOSIDES

MALTOSE

SUCROSE

Glues

USE ADHESIVES

GLUTAMIC ACID		F
BT	AMINO ACIDS	
GLYCINE		F
BT	AMINO ACIDS	
GLYCINE CANESCENS		A
BT	GLYCINE WILLD	
RT	TROPICAL FORAGE LEGUMES	
GLYCINE CLANDESTINA		A
BT	GLYCINE WILLD	
NT	GLYCINE CLANDESTINA SERICEA	
GLYCINE CLANDESTINA SERICEA		A
UF	GLYCINE SERICEA	
BT	GLYCINE CLANDESTINA	
Glycine dentata		
USE	PSEUDOVIGNA ARGENTEA	
GLYCINE FALCATA		A
BT	GLYCINE WILLD	
Glycine formosana		
USE	GLYCINE SOJA	
Glycine gracilis		
USE	GLYCINE MAX	
Glycine hispida		
USE	GLYCINE MAX	
Glycine javanica		
USE	GLYCINE WIGHTII	
GLYCINE LATROBEANA		A
BT	GLYCINE WILLD	
Glycine maranguensis		
USE	MACROTYLOMA MARANGUENSE	
GLYCINE MAX		A
UF	DOLICHOS SOJA	
	GLYCINE GRACILIS	
	GLYCINE HISPIDA	
	SOJA HISPIDA	
	SOJA MAX	
BT	GLYCINE WILLD	
RT	SOYBEANS	
Glycine petitiana		
USE	GLYCINE WIGHTII	

Glycine sericea
USE GLYCINE CLANDESTINA SERICEA

GLYCINE SOJA A
UF GLYCINE FORMOSANA
GLYCINE USSURIENSIS
SOYBEAN (WILD)
WILD SOYBEAN
BT GLYCINE WILLD

GLYCINE TABACINA A
BT GLYCINE WILLD

GLYCINE TOMENTELLA A
UF GLYCINE TOMENTOSA
BT GLYCINE WILLD

Glycine tomentosa
USE GLYCINE TOMENTELLA

Glycine ussuriensis
USE GLYCINE SOJA

GLYCINE WIGHTII A
UF GLYCINE JAVANICA
GLYCINE PETITIANA
BT GLYCINE WILLD
NT GLYCINE WIGHTII PETITIANA
GLYCINE WIGHTII PSEUDOJAVANICA
GLYCINE WIGHTII WIGHTII

GLYCINE WIGHTII PETITIANA A
BT GLYCINE WIGHTII

GLYCINE WIGHTII PSEUDOJAVANICA A
BT GLYCINE WIGHTII

GLYCINE WIGHTII WIGHTII A
BT GLYCINE WIGHTII

GLYCINE WILLD A
UF LEPTOCYAMUS
BT LEGUMINOSAE-PAPILIONOIDEAE
NT GLYCINE CANESCENS
GLYCINE CLANDESTINA
GLYCINE FALCATA
GLYCINE LATROBEANA
GLYCINE MAX
GLYCINE SOJA
GLYCINE TABACINA
GLYCINE TOMENTELLA
GLYCINE WIGHTII

Glycosides (cyanogenic)
USE CYANOGENIC GLYCOSIDES

GOA BEANS

A

UF ASPARAGUS BEAN
ASPARAGUS PEA
BEAN (ASPARAGUS)
BEAN (GOA)
BEAN (WINGED)
PEA (ASPARAGUS)
POIS CARRE
WINGED BEAN
BT TROPICAL GRAIN LEGUMES
RT PSOPHOCARPUS TETRAGONOLOBUS

GOATS

G

BT DOMESTIC ANIMALS

Golden gram

USE MUNG BEANS

GOLGI APPARATUS

C

UF GOLGI BODIES
BT CELL STRUCTURE
RT DICTYOSOMES
ENDOPLASMIC RETICULUM

Golgi bodies

USE GOLGI APPARATUS

Goober

USE GROUNDNUTS

Goober (Congo)

USE BAMBARRA GROUNDNUTS

Goober pea

USE GROUNDNUTS

Gotani bean

USE JACK BEANS

Government departments

USE INSTITUTIONS

GRADING

F

BT PRODUCT QUALITY
RT PARTICLE SIZE
PROTEIN CONTENT

GRAFTING

D

BT PROPAGATION

Grain (horse)

USE HORSE GRAM

GRAIN LEGUMES	A
UF PULSES	
BT LEGUMES	
NT TROPICAL GRAIN LEGUMES	
Grain silos	
USE SILOS	
GRAIN STORAGE	F
UF STORAGE (GRAIN)	
BT STORAGE	
GRAIN YIELD	H
UF SEED YIELD	
YIELD (GRAIN)	
YIELD (SEED)	
BT YIELDS	
NT SEED WEIGHT	
Gram (Bengal)	
USE CHICK PEAS	
Gram (black)	
USE URD	
Gram (golden)	
USE MUNG BEANS	
Gram (green)	
USE MUNG BEANS	
Gram (horse)	
USE HORSE GRAM	
Gram (Madras)	
USE HORSE GRAM	
Gram (red)	
USE PIGEON PEAS	
Gram pea	
USE CHICK PEAS	
GRANA	C
BT CHLOROPLASTS	
Grape Colaspis	
USE COLASPIS BRUNNEA	
GRAPHOGNATHUS SPP	E
BT COLEOPTERA	

GRASS MULCHES D
UF MULCHES (GRASS)
BT LIVE MULCHES
RT GRASSES

Grass pea
USE LATHYRUS SATIVUS

GRASSES D
RT CEREALS
GRASS MULCHES

Grasshoppers
USE ORTHOPTERA

GRAVY MIXES G
BT CONDIMENTS

Gray mould
USE BOTRYTIS CINEREA

Green bean
USE FRENCH BEANS

Green cloverworm
USE PLATHYPENA SCABRA

Green gram
USE MUNG BEANS

GREEN-MANURE LEGUMES A
BT GREEN MANURES
NT BRABICON BEANS
RT ARACHIS PROSTRATA
CALOPOGONIUM MUCUNOIDES
HORSE GRAM
LEGUMES
LUPINS
LYON BEANS

GREEN MANURES D
BT MANURES
NT GREEN-MANURE LEGUMES
RT GREEN MANURING
ROTATIONAL CROPS

GREEN MANURING D
UF MANURING (GREEN)
BT SOIL FERTILITY
RT GREEN MANURES

Green stink bug
USE ACROSTERNUM HILARE

Green stink bug (southern)
USE NEZARA VIRIDULA

Greenflies
USE HOMOPTERA

Grey mould
USE BOTRYTIS CINEREA

GRINDERS F
BT PROCESSING EQUIPMENT
RT GRINDING

GRINDING F
UF MILLING
BT PROCESSING
RT GRINDERS

GRITS F
BT PROCESSED PRODUCTS

Ground bean
USE GEOCARPA GROUNDNUTS

Groundnut (Bambarra)
USE BAMBARRA GROUNDNUTS

Groundnut (Geocarpa)
USE GEOCARPA GROUNDNUTS

Groundnut (Hansa)
USE GEOCARPA GROUNDNUTS

Groundnut (Madagascar)
USE BAMBARRA GROUNDNUTS

Groundnut (stone)
USE BAMBARRA GROUNDNUTS

Groundnut aphid
USE APHIS CRACCIVORA

Groundnut collar rot
USE ASPERGILLUS NIGER

Groundnut hopper
USE HILDA PATRUELIS

GROUNDNUT MOSAIC ROSETTE E
BT GROUNDNUT MOSAICS
RT GROUNDNUT ROSETTE VIRUS
GROUNDNUT MOTTLE VIRUS

GROUNDNUT MOSAIC VIRUS E
BT GROUNDNUT MOSAICS

GROUNDNUT MOSAICS E
BT VIROSES
NT GROUNDNUT MOSAIC ROSETTE
GROUNDNUT MOSAIC VIRUS

GROUNDNUT MOTTLE VIRUS E
BT VIROSES
RT GROUNDNUT MOSAIC ROSETTE

GROUNDNUT ROSETTE VIRUS E
UF ARACHIS VIRUS 1
ARACHISVIRUS ROSETTANS
MARMOR ARACHIDIS
PEANUT ROSETTE VIRUS
BT VIROSES
RT GROUNDNUT MOSAIC ROSETTE

Groundnut rust
USE PUCCINIA ARACHIDIS

GROUNDNUT STUNT DISEASE VIRUS E
BT VIROSES

GROUNDNUT WITCHES BROOM VIRUS E
BT VIROSES

GROUNDNUTS A
SN Restricted to cultivars of
Arachis hypogaea
UF ARACHIDE
GOOBER
GOOBER PEA
MONKEY NUT
PEA (GOOBER)
PEANUT
PISTACHE DE TERRE
BT OILSEED LEGUMES
NT SPANISH GROUNDNUTS
VALENCIA GROUNDNUTS
VIRGINIA GROUNDNUTS
RT ARACHIS HYPOGAEA
TROPICAL GRAIN LEGUMES

Groundnuts (Spanish)
USE SPANISH GROUNDNUTS

Groundnuts (Valencia)
USE VALENCIA GROUNDNUTS

Groundnuts (Virginia)
USE VIRGINIA GROUNDNUTS

Growing points
USE APICAL MERISTEMS

Growing seasons
USE SEASONS

GROWTH B
UF GROWTH RATE
BT PLANT DEVELOPMENT
RT CELL-DIVISION
DIFFERENTIATION
MORPHOGENESIS
PLANT-GROWTH SUBSTANCES

GROWTH-CHAMBER EXPERIMENTS J
BT LABORATORY EXPERIMENTS

Growth-form
USE PLANT HABIT

Growth rate
USE GROWTH

Growth regulators
USE PLANT-GROWTH SUBSTANCES

GUANINE C
BT PURINES
RT DNA

Guar plant
USE CLUSTER BEANS

Gums
USE ADHESIVES

Gusathion
USE AZINPHOS-METHYL

Gusathion A
USE AZINPHOS-ETHYL

Guthion
USE AZINPHOS-METHYL

Gynaecium
USE GYNOECIUM

GYNOECIUM B
UF GYNAECIUM
PISTIL
BT FLOWERS
NT OVARIES
STIGMA
STYLE
RT CARPELS

Habit (plant)
USE PLANT HABIT

HABIT IMPROVEMENT D
BT BREEDING AIMS
RT PLANT HABIT

Habits (insect)
USE INSECT BEHAVIOUR

HAIRS B
BT EPIDERMIS

Hairs (root)
USE ROOT HAIRS

Halo blight (bean)
USE PSEUDOMONAS PHASEOLICOLA

Hanane
USE DIMEFOX

Hand-harvesting
USE PICKING

HAND POLLINATION B
RT POLLINATION

Hand weeding
USE WEEDING

HANDLING F
NT CONVEYING
RT DISTRIBUTION

Haricot
USE KIDNEY BEANS

Haricot à couper
USE KIDNEY BEANS

Haricot à écosser
USE TOUGH-PODDED KIDNEY BEANS

Haricot à oeil noir
USE COWPEAS

Haricot à rames
USE RUNNER BEANS

Haricot bean
USE KIDNEY BEANS

Haricot d'Espagne
USE SCARLET RUNNER BEANS

Haricot du Kissi
USE LIMA BEANS

Haricot mangetout
USE SKINLESS KIDNEY BEANS

Haricot nain
USE DWARF BEANS

Haricot pistache
USE BAMBARRA GROUNDNUTS

Haricot vert
USE FRENCH BEANS

HARROWING

D

BT LAND PREPARATION
RT HARROWS
RAKING

HARROWS

D

BT CULTIVATION EQUIPMENT
RT HARROWING

HARVESTERS

D

BT HARVESTING EQUIPMENT

HARVESTING

D

UF REAPING
NT MECHANIZED HARVESTING
PICKING
RT CULTIVATION
DETERMINACY
HARVESTING EQUIPMENT
THRESHING

Harvesting (hand)

USE PICKING

Harvesting (mechanized)

USE MECHANIZED HARVESTING

HARVESTING EQUIPMENT

D

BT FARM IMPLEMENTS
NT HARVESTERS
MOWERS
REAPING KNIVES
SCYTHES
SICKLES
RT HARVESTING

Harvesting knives

USE REAPING KNIVES

Hausa groundnut

USE GEOCARPA GROUNDNUTS

Haydonia triphylla
USE VIGNA TRIPHYLLA

HCH
USE BHC

HCN G
UF HYDROGEN CYANIDE
PRUSSIC ACID
BT CYANOGEN
RT CYANIDES
CYANOGENIC GLYCOSIDES
DETOXIFICATION
HCN CONTENT

HCN CONTENT F
BT COMPOSITION
RT HCN
TOXICITY

HEALTH G
NT ANIMAL HEALTH
HUMAN HEALTH
RT MALNUTRITION
TOXICOLOGY

Heat
USE TEMPERATURE

HEATING F
BT PROCESSING
RT TOASTING
TRYPSIN INHIBITORS

Hedysarum vaginale
USE ALYSICARPUS VAGINALIS

HELICOTYLENCHUS CAVENESSI E
BT NEMATODES

HELICOTYLENCHUS PSEUDOROBUSTUS E
UF ANGUILLULINA PSEUDOROBUSTA
TYLENCHUS PSEUDOROBUSTUS
BT NEMATODES

HELIOTHIS ARMIGERA E
UF AMERICAN BOLLWORM
BT LEPIDOPTERA

HELIOTHIS ZEA E
UF CORN EARWORM
COTTON BOLLWORM
TOMATO FRUITWORM
BT LEPIDOPTERA

Helopeltis sanguineus rubra
USE HELOPELTIS SCHOUTEDENI

Helopeltis sanguineus vanderysti
USE HELOPELTIS SCHOUTEDENI

HELOPELTIS SCHOUTEDENI E
UF HELOPELTIS SANGUINEUS RUBRA
HELOPELTIS SANGUINEUS VANDERYSTI
BT HETEROPTERA

HEMICYCLIOPHORA ARENARIA E
BT NEMATODES

HEMIPTERA E
BT INJURIOUS INSECTS
NT HETEROPTERA
HOMOPTERA

HEPTACHLOR E
BT INSECTICIDES

Herbage legumes
USE FORAGE LEGUMES

HERBICIDES E
UF WEEDKILLERS
BT PESTICIDES
WEED CONTROL
NT ATRAZINE
BROMACIL
CHLORAZINE
CHLORBROMURON
CHLOROPICRIN
CHLORPROPHAM
CYCLURON
2,4-D
DALAPON
DI-ALLATE
DICHLORPROP
DINOSAM
DIQUAT
DIURON
DNOC
ERBON
FENOPROP
FENURON
IOXYNIL
IPAZINE
MALEIC HYDRAZIDE
MCPA
MONURON
PARAQUAT
PICLORAM
PRE-EMERGENCE HERBICIDES
PROPANIL
PROPHAM
SIMAZINE
SYNTHETIC AUXINS

2,4,5-T
TCA
TRIFLURALIN
RT PLANT-GROWTH SUBSTANCES

Herbicides (pre-emergence)
USE PRE-EMERGENCE HERBICIDES

HEREDITY C
RT INHERITANCE

Heritability
USE INHERITANCE

Heteroauxin
USE INDOLE-3-ACETIC ACID

HETERODERA E
BT NEMATODES
NT HETERODERA GLYCINES
HETERODERA SCHÄCHTII

Heterodera arenaria
USE MELOIDOGYNE ARENARIA

HETERODERA GLYCINES E
UF SOYBEAN CYST-NEMATODE
BT HETERODERA

Heterodera incognita
USE MELOIDOGYNE INCOGNITA

Heterodera javanica
USE MELOIDOGYNE JAVANICA

HETERODERA SCHÄCHTII E
UF TYLENCHUS SCHÄCHTII
BT HETERODERA

HETEROPTERA E
BT HEMIPTERA
NT ACANTHOMIA SPP
ACROSTERNUM HILARE
GEOCORIS SPP
HELOPELTIS SCHOUTEDENI
LYGUS LINEOLARIS
NABIS SPP
NEZARA VIRIDULA
ORIOUS SPP
PODISUS MACULIVENTRIS

HETEROSIS C
BT BREEDING METHODS
RT F1 HYBRIDS
HYBRID VIGOUR

HETEROZYGOTES C
BT ZYGOTES

Hexadecanoic acid
USE PALMITIC ACID

9-Hexadecenoic acid
USE PALMITOLEIC ACID

HEXOSE SUGARS F
BT SUGARS
NT FRUCTOSE
GALACTOSE
GLUCOSE
RT PHOSPHOGLYCERIC ACID

High-protein
USE PROTEIN CONTENT

HILDA PATRUE LIS E
UF GROUNDNUT HOPPER
BT ORTHOPTERA

HILUM B
BT SEEDS
RT FUNICLE

Hindu cowpea
USE COWPEAS

HISTIDINE F
BT AMINO ACIDS

Histology (plant)
USE PLANT TISSUES

HISTORY A
RT PLANT GEOGRAPHY
TRADITIONS

Hives
USE BEEHIVES

HOEING D
BT CULTIVATION OPERATIONS
RT HOES
MULCHING
WEEDING

HOES D
BT CULTIVATION EQUIPMENT
NT DIGGING HOES
RT CULTIVATORS
HOEING

Hoes (digging)
USE DIGGING HOES

Hogs
USE SWINE

HOME ECONOMICS		G
UF	ECONOMICS (HOME) HOUSEHOLD ECONOMICS	
RT	HOUSEHOLD STORAGE COOKING SOCIAL ASPECTS HUMAN HEALTH	
HOMOPTERA		E
UF	APHIDS GREENFLIES PLANT LICE SCALE INSECTS	
BT	HEMIPTERA	
NT	ACYRTHOSIPHON PISUM APHIS CRACCIVORA APHIS FABAE APHIS GLYCINES BEMISIA TABACI DYSMICOCCLUS BREVIPES EMPOASCA SPP ICERYA PURCHASI PSEUDOCOCCUS SPP	
HOMOZYGOTES		C
BT	ZYGOTES	
HONEY		B
RT	HONEYBEES	
Honey bees		
USE	HONEYBEES	
HONEYBEES		B
UF	APIS MELLIFERA HONEY BEES	
BT	BEES	
RT	BEEHIVES HONEY	
Hooks (reaping)		
USE	SICKLES	
Hoplolaimus bradys		
USE	SCUTELLONEMA BRADYS	
HOPLOLAIMUS SEINHORSTI		E
BT	NEMATODES	
Hormones (plant)		
USE	PLANT-GROWTH SUBSTANCES	

Horse bean

- SN Several crops are referred to as 'Horse beans'. Therefore be careful in assigning the following descriptors: for 'Horse beans' derived from *Canavalia ensiformis*
- USE JACK BEANS
For 'Horse beans' derived from *Vicia faba*
- USE BROAD BEANS

Horse bush

- USE DESMODIUM UMBELLATUM

HORSE-EYE BEANS

A

- UF BEAN (HORSE-EYE)
- BT TROPICAL GRAIN LEGUMES
- RT MUCUNA SLOANEI

Horse grain

- USE HORSE GRAM

HORSE GRAM

A

- UF BEAN (KULTHI)
- GRAIN (HORSE)
- GRAM (HORSE)
- GRAM (MADRAS)
- HORSE GRAIN
- KULTHI BEAN
- MADRAS GRAM
- BT TROPICAL FORAGE LEGUMES
- RT GREEN-MANURE LEGUMES
- VIGNA UNGUICULATA UNGUICULATA

HOST-PLANT RESISTANCE

C

- SN Resistance of grain legumes to adverse factors or injurious organisms
- UF COLD TOLERANCE
- DISEASE RESISTANCE
- DROUGHT RESISTANCE
- INSECT RESISTANCE OF PLANTS
- MITE RESISTANCE OF PLANTS
- NEMATODE RESISTANCE OF PLANTS
- RESISTANCE (OF PLANTS TO INSECTS)
- RESISTANCE (OF PLANTS TO MITES)
- RESISTANCE (OF PLANTS TO NEMATODES)
- RESISTANCE (OF PLANTS TO PESTS)
- RESISTANCE (PLANT)
- TEMPERATURE RESISTANCE
- VARIETAL RESISTANCE
- BT BREEDING AIMS
- RT BREEDING
- DISEASE CONTROL
- DROUGHT
- PEST CONTROL
- PHYTOALEXINS
- TEMPERATURE

HOST RANGE

E

UF FOOD-PLANT RANGE
HOST SPECTRUM
RANGE (HOST-PLANT)
RT ALTERNATIVE HOSTS
PESTS

Host spectrum

USE HOST RANGE

Hosts (alternative)

USE ALTERNATIVE HOSTS

Household economics

USE HOME ECONOMICS

HOUSEHOLD STORAGE

F

UF STORAGE (HOME)
BT STORAGE
RT HOME ECONOMICS

HULLS

F

SN Legume pods after seed removal
UF SHELLS
BT FRESH PRODUCTS
RT FOOD CONSTITUENTS

HUMAN HEALTH

G

BT HEALTH
RT DEFICIENCY DISEASES
PUBLIC HEALTH
HOME ECONOMICS

Human nutrition

USE NUTRITION

HUMAN PHYSIOLOGY

G

SN Restrict to applications in
relation to grain legumes
UF PHYSIOLOGY (HUMAN)
RT BIOCHEMISTRY
NUTRITION
TOXICOLOGY

Humble bees

USE BUMBLE BEES

HUMIFICATION

D

RT MANURES

Hyacinth bean

USE LABLAB

HYBRID VIGOUR

C

UF VIGOR (HYBRID)
RT F1 HYBRIDS
HETEROSIS

Hybridisation

USE HYBRIDIZING

HYBRIDIZING

C

UF HYBRIDISATION
BT BREEDING
RT CROSSBREEDING
HYBRIDS

HYBRIDS

C

NT F1 HYBRIDS
RT CULTIVARS
HYBRIDIZING

HYDRATING

F

UF HYDRATION
BT PROCESSING

HYDROGEN

B

RT HYDROGENASE

Hydrogen cyanide

USE HCN

HYDROGEN-ION CONCENTRATION

D

UF ACIDITY
ALKALINITY
pH
RT SOIL REACTIONS
STRESS FACTORS

HYDROGENASE

B

BT ENZYMES
RT HYDROGEN
NODULATION EFFECTIVITY

HYDROXYPHASEOLLIN

C

BT PHYTOALEXINS
RT PHYTOPHTHORA MEGASPERMA SOJAE

HYLEMYA PLATURA

E

UF BEAN SEED FLY
HYLEMYIA PLATURA
BT DIPTERA

Hylemyia platura

USE HYLEMYIA PLATURA

HYPOCOTYL

B

BT SEEDLINGS
RT STEMS

Hyvar

USE BROMACIL

IAA
USE INDOLE-3-ACETIC ACID

IAN
USE INDOLE-3-ACETONITRILE

ICE-CREAM G
UF DAIRY ICES
BT DAIRY FOODS

ICERYA PURCHASI E
BT HOMOPTERA

IDENTIFICATION A
UF BOTANICAL KEYS
KEYS (BOTANICAL)
PLANT IDENTIFICATION
RT TAXONOMY

Implements (farm)
USE FARM IMPLEMENTS

Importing
USE TRADE

Impoverishment (soil)
USE SOIL IMPOVERISHMENT

Improvement (convergent)
USE CONVERGENT IMPROVEMENT

INBREEDING C
BT BREEDING
RT SELFING

INCOME H
BT ECONOMICS

INCOMPATIBILITY C
SN Pollination failure within an
otherwise freely interbreeding
group
UF POLLEN INCOMPATIBILITY
BT BREEDING METHODS
RT MORPHOLOGICAL STERILITY
POLLINATION

INDETERMINATE VARIETIES D
SN Cultivars harvested by multiple
pickings
BT DETERMINACY

Indian butter bean
USE LABLAB

Indian clover
USE MELILOTUS INDICA

INDOLE-3-ACETIC ACID B
UF HETEROAUXIN
IAA
INDOLYLACETIC ACID
BT AUXINS

INDOLE-3-ACETONITRILE B
UF IAN
BT AUXINS

Indolylacetic acid
USE INDOLE-3-ACETIC ACID

Induced mutation
USE MUTATION

INDUSTRIAL USES G
UF NON-FOOD PRODUCTS
BT USES
NT ADHESIVES
PAINTS
DRILLING MUDS
LEATHER PROCESSING
METAL POLISHING
RT INSECTICIDES

INDUSTRIALIZATION J
BT DEVELOPMENT
RT MECHANIZATION
WASTE UTILIZATION

INFANT FOODS G
UF BABY FOODS
BT FOOD PRODUCTS
RT SOYMILK

INFECTION D
RT DISEASES AND PATHOGENS
RHIZOBIA

INFLORESCENCES B
BT PLANT ANATOMY
NT FLOWERS
RT INFRUTESCENCES

INFORMATION SCIENCE J
NT COMMUNICATION
DOCUMENTATION
INFORMATION SYSTEMS

INFORMATION SYSTEMS J
BT INFORMATION SCIENCE

INFRUCTESCENCES

B

BT PLANT ANATOMY
NT FRUITS
RT INFLORESCENCES

INHERITANCE

C

UF HERITABILITY
NT QUANTITATIVE INHERITANCE
RT BREEDING
CYTOPLASMIC INHERITANCE
GENES
HEREDITY

Inheritance (cytoplasmic)

USE CYTOPLASMIC INHERITANCE

Inheritance (extra-nuclear)

USE CYTOPLASMIC INHERITANCE

Inheritance (non-mendelian)

USE CYTOPLASMIC INHERITANCE

Inheritance (polygenic)

USE QUANTITATIVE INHERITANCE

Inheritance (quantitative)

USE QUANTITATIVE INHERITANCE

Inhibitors (metabolic)

USE METABOLIC INHIBITORS

Inhibitors (trypsin)

USE TRYPSIN INHIBITORS

INJURIOUS INSECTS

E

SN Restrict NTs to important insect
pests, and enter all others under
this descriptor
UF INSECT PESTS
INSECTS (NOXIOUS)
NT COLEOPTERA
DIPTERA
HEMIPTERA
LEPIDOPTERA
ORTHOPTERA
THYSANOPTERA
RT ENTOMOLOGY
INSECT CONTROL
INSECT TRANSMISSION
VECTORS

INJUROUS MITES E
UF ACARINA
ERIOPHYIDS
GALL MITES
MITE PESTS
MITES (NOXIOUS)
RED SPIDER MITES
SPIDER MITES
TETRANYCHIDS
BT NOXIOUS ANIMALS
NT TETRANYCHUS CINNABARINUS
TETRANYCHUS URTICAE
RT ENTOMOLOGY
MITE CONTROL

Injurious nematodes
USE NEMATODES

INOCULANTS D
UF INOCULUM
BT INOCULATION

INOCULATION D
NT INOCULANTS
RT RHIZOBIA

Inoculum
USE INOCULANTS

INORGANIC NITROGEN D
BT NITROGEN
RT NITROGEN FIXATION

INPC
USE PROPHAM

INSECT AGENTS E
SN Arthropods used in biological control
BT BIOLOGICAL CONTROL
NT PARASITIC INSECTS
PARASITIC MITES
PREDACIOUS INSECTS
PREDACIOUS MITES
RT BENEFICIAL ARTHROPODS
ENTOMOLOGY

INSECT BEHAVIOUR E
UF BEHAVIOUR (INSECT)
HABITS (INSECT)
BT INSECT BIOLOGY

INSECT BIOLOGY E
UF BIOLOGY (INSECT)
BIOLOGY (MITE)
INSECT LIFE CYCLES
LIFE CYCLES (INSECT)
MITE BIOLOGY

BT ENTOMOLOGY
NT INSECT BEHAVIOUR
INSECT BIONOMICS
INSECT POPULATIONS

INSECT BIONOMICS E
UF BIONOMICS (INSECT)
BIONOMICS (MITE)
MITE BIONOMICS
BT INSECT BIOLOGY

INSECT CONTROL E
UF CONTROL (INSECT)
BT PEST CONTROL
NT INSECTICIDES
RT BIOLOGICAL CONTROL
ENTOMOLOGY
INJURIOUS INSECTS

Insect life cycles
USE INSECT BIOLOGY

Insect pests
USE INJURIOUS INSECTS

INSECT POLLINATION B
UF ENTOMOPHILY
BT POLLINATION
NT TRIPPING
RT NECTAR
POLLINATING INSECTS

Insect pollinators
USE POLLINATING INSECTS

INSECT POPULATIONS E
UF POPULATION DYNAMICS (INSECT)
BT INSECT BIOLOGY

Insect resistance of plants
USE HOST-PLANT RESISTANCE

INSECT TRANSMISSION E
SN Transmission of pathogens by insects
BT DISEASE TRANSMISSION
RT INJURIOUS INSECTS
VECTORS

Insecticide resistance
USE PESTICIDE RESISTANCE

INSECTICIDES

E

UF BUG-KILLERS
BT INSECT CONTROL
PESTICIDES
NT ALDRIN
AMINOCARB
AZINPHOS-ETHYL
AZINPHOS-METHYL
BHC
BROMOPHOS
BUTONATE
CAMPHECHLOR
CARBARYL
CHLORBICYCLEN
CHLORDANE
CHLOROPICRIN
COUMAPHOS
DDT
DEMETON-O
DEMETON-O-METHYL
DIAZINON
DICHLORVOS
DIELDRIN
DIMEFOX
DIMETHOATE
DINOSAM
DISULFOTON
DNOC
ENDOSULFAN
ENDOTHION
ENDRIN
FENCHLORPHOS
HEPTACHLOR
LINDANE
MALATHION
MECARBAM
MENAZON
METHOXYCHLOR
MEVINPHOS
NALED
NICOTINE
PARATHION
PHORATE
PHOSPHAMIDON
PYRETHRINS
ROTENONE
SCHRADAN
TEPP
THIOMETON
RT INDUSTRIAL USES

Insects (beneficial)
USE BENEFICIAL ARTHROPODS

Insects (noxious)
USE INJURIOUS INSECTS

Insects (parasitic)
USE PARASITIC INSECTS

Insects (pollinating)
USE POLLINATING INSECTS

Insects (predacious)
USE PREDACIOUS INSECTS

Insects (predatory)
USE PREDACIOUS INSECTS

INSTITUTIONS J
UF RESEARCH STATIONS
GOVERNMENT DEPARTMENTS
UNIVERSITY DEPARTMENTS

INTEGRATED CONTROL E
UF CONTROL (INTEGRATED)
MANAGEMENT (PEST)
PEST MANAGEMENT
RT PEST CONTROL
BIOLOGICAL CONTROL

Inter-cropping
USE MIXED CROPPING

Inter-planting
USE MIXED CROPPING

INTERCALARY MERISTEMS B
BT MERISTEMS

INTERMEDIATE HABIT D
BT PLANT HABIT

International trade
USE TRADE

INTERNODES B
BT STEMS

INTERSPECIFIC STERILITY C
UF STERILITY (INTERSPECIFIC)
BT BREEDING METHODS

Intoxification
USE TOXICITY

Introduction (plant)
USE PLANT INTRODUCTION

Invertase		
USE	SUCRASE	
IOXYNIL		E
BT	HERBICIDES	
IPAZINE		E
BT	HERBICIDES	
IPPC		
USE	PROPHAM	
IRON		D
UF	Fe	
BT	MINERALS AND NUTRIENTS	
IRRADIATION		C
UF	GAMMA-IRRADIATION RADIATION (GAMMA)	
RT	BREEDING METHODS	
IRRIGATION		D
BT	WATER MANAGEMENT	
ISOELECTRIC PROTEIN		F
UF	PROTEIN (ISOELECTRIC)	
RT	ISOLATED PROTEINS	
ISOLATED PROTEINS		F
UF	PROTEINS (ISOLATED)	
BT	PROCESSED PRODUCTS	
RT	ISOELECTRIC PROTEIN PROTEIN CURD PROTEINATES WHEY	
ISOLATION		C
SN	Protection of plants from unwanted pollination	
BT	BREEDING METHODS	
RT	POLLINATION	
ISOLEUCINE		F
BT	AMINO ACIDS	

JACK BEANS

A

SN Often confused with SWORD BEANS;
when in doubt, index as CANAVALIA
UF BEAN (GOTANI)
BEAN (HORSE)
BEAN (JACK)
BEAN (OWENS)
CHICKASWA LIMA
GOTANI BEAN
HORSE BEAN
MUKHUN SEEN
OVERLOOK
OWENS BEAN
POIS GOGANE
BT TROPICAL GRAIN LEGUMES
RT CANAVALIA ENSIFORMIS DC
CONCANAVALINS

Japan clover

USE LESPEDEZA STRIATA

Japanese lespedeza

USE LESPEDEZA STRIATA

Japanese rice bean

USE RICE BEANS

Jicama

USE JICANA

JICANA

A

UF JICAMA
BT YAM BEANS
RT PACHYRHIZUS PALMATILOBUS

JOINT VETCHES

A

UF VETCHES (JOINT)
BT TROPICAL FORAGE LEGUMES
RT AESCHYNOMENE

Judia comun

USE KIDNEY BEANS

Judia enana

USE DWARF BEANS

Judia verde

USE FRENCH BEANS

Jugo bean

USE BAMBARRA GROUNDNUTS

K

USE POTASSIUM

Kaffir pea

SN This term has been applied to at least
two crop-plants. For those in Voandzeia,
USE BAMBARRA GROUNDNUTS
For those in Vigna,
USE COWPEAS

Karathane

USE DINOCAP

Karmex

USE DIURON

Karyokinesis

USE MITOSIS

Kasari

USE LATHYRUS SATIVUS

Katabolism

USE CATABOLISM

KEELS

SN The two partially united lowest
petals
BT PETALS
RT TRIPPING

B

Keeping qualities

USE DETERIORATION

Kelthane

USE DICOFOL

KERSTINGIELLA

BT LEGUMINOSAE-PAPILIONOIDEAE
NT KERSTINGIELLA GEOCARPA

A

KERSTINGIELLA GEOCARPA

BT KERSTINGIELLA
RT GEOCARPA GROUNDNUTS

A

Kersting's groundnut

USE GEOCARPA GROUNDNUTS

Keys (botanical)

USE IDENTIFICATION

KHARIF SEASON

BT SEASONS
RT AUTUMN

D

Khesari da1
USE LATHYRUS SATIVUS

Kidney bean (skinless)
USE SKINLESS KIDNEY BEANS

Kidney bean (tough-podded)
USE TOUGH-PODDED KIDNEY BEANS

KIDNEY BEANS

UF BEAN (COMMON)
BEAN (FIELD) (q.v.)
BEAN (GARDEN)
BEAN (HARICOT)
BEAN (KIDNEY)
BEANS
COMMON BEAN
FIELD BEAN (q.v.)
FRIJOLES
GARDEN BEAN
HARICOT
HARICOT A COUPER
HARICOT BEAN
JUDIA COMUN
BT TROPICAL GRAIN LEGUMES
NT DWARF BEANS
FRENCH BEANS
RUNNER BEANS
SKINLESS KIDNEY BEANS
TOUGH-PODDED KIDNEY BEANS
RT PHASEOLUS VULGARIS

A

KINETIN

UF 6-FURFURYL-AMINOPURINE
BT CYTOKININS

B

King Island clover
USE MELILOTUS INDICA

KLEBSIELLA

BT SOIL FLORA

D

Knives (reaping)
USE REAPING KNIVES

Knives (harvesting)
USE REAPING KNIVES

Korean lespedeza
USE LESPEDEZA STIPULACEA

Korlan
USE FENCHLORPHOS

Kudzu
USE PUERARIA THUNBERGIANA

Kudzu (tropical)
USE PUERARIA PHASEOLOIDES

KUDZUS
BT TROPICAL FORAGE LEGUMES
RT PUERARIA

A

Kulthi bean
USE HORSE GRAM

LABLAB A
UF BEAN (BONAVIST)
BEAN (DOLICHOS)
BEAN (EGYPTIAN)
BEAN (HYACINTH)
BEAN (INDIAN BUTTER)
BONAVIST BEAN
BUTTER BEAN (INDIAN)
DOLICHOS BEAN
DOLIQUE D'EGYPTE
DOLIQUE LABLAB
EGYPTIAN BEAN
HYACINTH BEAN
INDIAN BUTTER BEAN
LUBIA
BT TROPICAL GRAIN LEGUMES
RT LABLAB PURPUREUS

LABLAB ADANS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT LABLAB PURPUREUS

Lablab niger
USE LABLAB PURPUREUS

Lablab niger bengalensis
USE LABLAB PURPUREUS BENGALENSIS

LABLAB PURPUREUS A
UF DOLICHOS LABLAB
DOLICHOS PURPUREUS
LABLAB NIGER
LABLAB VULGARIS
BT LABLAB ADANS
NT LABLAB PURPUREUS BENGALENSIS
LABLAB PURPUREUS RHOMBOIDEUS
LABLAB PURPUREUS UNCINATUS
RT LABLAB

LABLAB PURPUREUS BENGALENSIS A
UF DOLICHOS BENGALENSIS
DOLICHOS LABLAB BENGALENSIS
LABLAB NIGER BENGALENSIS
BT LABLAB PURPUREUS

LABLAB PURPUREUS RHOMBOIDEUS A
UF DOLICHOS LABLAB RHOMBOIDEUS
DOLICHOS PEARSONII
BT LABLAB PURPUREUS

LABLAB PURPUREUS UNCINATUS A
UF DOLICHOS LABLAB UNCINATUS
DOLICHOS UNCINATUS
LABLAB UNCINATUS
BT LABLAB PURPUREUS

Lablab uncinatus
USE LABLAB PURPUREUS UNCINATUS

Lablab vulgaris
USE LABLAB PURPUREUS

Labor
USE LABOUR

LABORATORY EXPERIMENTS J
BT RESEARCH
NT GROWTH-CHAMBER EXPERIMENTS

LABOUR H
UF LABOR
MANPOWER
WORKERS
BT ECONOMICS
RT COSTS

Lactoflavin
USE RIBOFLAVIN

Laevulose
USE FRUCTOSE

LAMBS G
BT SHEEP

Land clearing
USE CLEARING

LAND PREPARATION D
NT CLEARING
HARROWING
PLACEMENT
TILLING
RT CULTIVATION

Laphygma exigua
USE SPODOPTERA EXIGUA

Larvacide
USE CHLOROPICRIN

LASPEYRESIA GLYCINIVORELLA E
UF SOYBEAN POD BORER
BT LEPIDOPTERA

LATHYRUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT LATHYRUS OCHRUS
LATHYRUS SATIVUS
LATHYRUS SYLVESTRIS
LATHYRUS TINGITANUS

LATHYRUS OCHRUS A
BT LATHYRUS
RT CYPRUS VETCH

Lathyrus pea
USE LATHYRUS SATIVUS

LATHYRUS SATIVUS A
UF CHICKLING VETCH
DAL (KHESARI)
GRASS PEA
KASARI
KHESARI DAL
LATHYRUS PEA
PEA (GRASS)
PEA (LATHYRUS)
VETCH (CHICKLING)
BT LATHYRUS
RT TROPICAL FORAGE LEGUMES

LATHYRUS SYLVESTRIS A
UF FLAT
PEA (FLAT)
BT LATHYRUS
RT TROPICAL FORAGE LEGUMES

LATHYRUS TINGITANUS A
BT LATHYRUS
RT TANGIER PEAS

LATITUDE D
RT ENVIRONMENTAL EFFECTS

LAURIC ACID F
UF DODECANOIC ACID
BT SATURATED FATTY ACIDS

Leaf
USE LEAVES

Leaf (seed)
USE COTYLEDONS

LEAF AREA INDEX B
BT LEAVES
RT PHOTOSYNTHETIC AREA

Leaf beetles (bean)
USE CEROTOMA SPP

Leaf spot (soybean bacterial)
USE XANTHOMONAS PHASEOLI SOJENSE

Leaf stalks
USE PETIOLES

LEATHER PROCESSING G
UF SKIN PROCESSING
BT INDUSTRIAL USES

LEAVES		B
UF	LEAF	
BT	PLANT ANATOMY	
NT	COTYLEDONS	
	PETIOLES	
	STIPULES	
	STOMATA	
RT	FOLIAGE	
	MESOPHYLL	
	PHOTOSYNTHETIC AREA	
	PLANT VASCULAR SYSTEM	
LECITHIN		F
BT	PROCESSED PRODUCTS	
RT	OILS	
	FOOD ADDITIVES	
Legume crops		
USE	LEGUMES	
LEGUMES		A
UF	LEGUME CROPS	
NT	FORAGE LEGUMES	
	GRAIN LEGUMES	
	OIL-SEED LEGUMES	
	ROOT LEGUMES	
RT	GREEN-MANURE LEGUMES	
	LEGUMINOSAE	
Legumes (botanical)		
USE	PODS	
LEGUMINOSAE		A
(BT	ROSALES)	
RT	LEGUMES	
	LEGUMINOSAE-MIMOSOIDEAE	
	LEGUMINOSAE-PAPILIONOIDEAE	
LEGUMINOSAE-MIMOSOIDEAE		A
UF	MIMOSACEAE	
	MIMOSOIDEAE	
NT	LEUCAENA	
	PARKIA	
RT	LEGUMINOSAE	
LEGUMINOSAE-PAPILIONOIDEAE		A
UF	PAPILIONACEAE	
	PAPILIONOIDEAE	
	VICIACEAE	
NT	AESCHYNOMENE	
	ALISTILUS	
	ALYSICARPUS	
	ARACHIS	
	ATYLOSIA	

AUSTRODOLICHOS
CAJANUS
CALOPOGONIUM MUCUNOIDES
CANAVALIA
CICER
CYAMOPSIS
DECORSEA
DESMODIUM
DIPOGON
DOLICHOS
GLYCINE WILLD
KERSTINGIELLA
LABLAB ADANS
LATHYRUS
LENS
LESPEDEZA
LONONIS
LUPINUS
MACROPTILIUM
MACROTYLOMA
MELILOTUS
MUCUNA
PACHYRHIZUS
PHASEOLUS
PISUM
PSEUDEMINIA
PSEUDOVIGNA
PSOPHOCARPUS
PUERARIA
SINODOLICHOS
SPATHIONEMA
SPHENOSTYLIS
STYLOSANTHES
TERAMNUS
TRIFOLIUM
TRIGONELLA
VICIA
VIGNA
VOANDZEIA
ZORNIA
RT LEGUMINOSAE

Length (pod)
USE POD LENGTH

LENS
BT LEGUMINOSAE-PAPILIONOIDEAE
NT LENS CULINARIS

A

Lens culinare
USE LENS CULINARIS

A

LENS CULINARIS A
UF CICER LENS
ERVUM LENS
LENS CULINARE
LENS ESCULENTA
BT LENS
RT LENTILS

Lens esculenta
USE LENS CULINARIS

Lentil Fusarium wilt
USE FUSARIUM OXYSPOURUM LENTIS

Lentille
USE LENTILS

LENTILS A
UF DHAL (RED)
LENTILLE
RED DHAL
BT TROPICAL GRAIN LEGUMES
RT LENS CULINARIS

LEPIDOPTERA E
UF BUTTERFLIES
MOTHS
BT INJURIOUS INSECTS
NT AGROTIS IPSILON
AGROTIS SEGETUM
ANTICARSIA GEMMATALIS
COLIAS EURYTHEME
CYDIA PTYCHORA
ELASMOPALPUS LIGNOSELLUS
ETIELLA ZINCKENELLA
HELIOTHIS ARMIGERA
HELIOTHIS ZEA
LASPEYRESIA GLYCINIVORELLA
MARUCA TESTULALIS
PLATHYPENA SCABRA
PLUSIA ORICHALCEA
SITOTROGA CEREALELLA
SPODOPTERA EXIGUA
SPODOPTERA LITTORALIS
SYLEPTA DEROGATA

Leptocyamus
USE GLYCINE WILLD

LEPTOSPHAERULINA CRASSIASCA E
BT MYCOSES

LESPEDEZA

A

BT LEGUMINOSAE-PAPILIONOIDEAE
NT LESPEDEZA CUNEATA
LESPEDEZA STIPULACEA
LESPEDEZA STRIATA
RT LESPEDEZAS

Lespedeza (common)

USE LESPEDEZA STRIATA

Lespedeza (Japanese)

USE LESPEDEZA STRIATA

Lespedeza (Korean)

USE LESPEDEZA STIPULACEA

Lespedeza (perennial)

USE LESPEDEZA CUNEATA

Lespedeza (sericea)

USE LESPEDEZA CUNEATA

LESPEDEZA CUNEATA

A

UF LESPEDEZA (PERENNIAL)
LESPEDEZA (SERICEA)
LESPEDEZA SERICEA
PERENNIAL LESPEDEZA
SERICEA LESPEDEZA
BT LESPEDEZA

Lespedeza sericea

USE LESPEDEZA CUNEATA

LESPEDEZA STIPULACEA

A

UF KOREAN LESPEDEZA
LESPEDEZA (KOREAN)
BT LESPEDEZA

LESPEDEZA STRIATA

A

UF CLOVER (JAPAN)
COMMON LESPEDEZA
JAPAN CLOVER
JAPANESE LESPEDEZA
LESPEDEZA (COMMON)
LESPEDEZA (JAPANESE)
BT LESPEDEZA

LESPEDEZAS

A

BT TROPICAL FORAGE LEGUMES
RT LESPEDEZA

Lesser armyworm

USE SPODOPTERA EXIGUA

Lesser cornstalk borer
USE ELASMOPALPUS LIGNOSELLUS

LETHAL GENES C
BT GENES

LEUCAENA A
SN Use for all species
BT LEGUMINOSAE-MIMOSOIDEAE

LEUCINE F
BT AMINO ACIDS

LEUCOPLASTS C
BT PLASTIDS

Liebrechtsia esculenta
USE VIGNA FRUTESCENS F FRUTESCENS

Liebrechtsia Katangensis
USE VIGNA FRUTESCENS F BUCHNERI

Liebrechtsia kotschy
USE VIGNA FRUTESCENS KOTSCHYI

Liebrechtsia scabra
USE VIGNA UNGUICULATA DEKINDTIANA

Life cycles (insect)
USE INSECT BIOLOGY

LIGHT D
BT CLIMATIC REQUIREMENTS
NT LIGHT ENERGY
LIGHT INTENSITY
RT LIGHT EFFECTS
SHADE

LIGHT EFFECTS D
BT ENVIRONMENTAL EFFECTS
RT DAYLENGTH
LIGHT

LIGHT ENERGY D
UF SOLAR ENERGY
BT LIGHT
RT PHOTOSYNTHESIS
SOLAR RADIATION

LIGHT INTENSITY D
BT LIGHT

LIGNOCERIC ACID F
UF TETRACOSANOIC ACID
BT SATURATED FATTY ACIDS

Lima bean (potato)
USE POTATO LIMA BEANS

Lima bean (red)
USE RED LIMA BEANS

Lima bean (speckled)
USE SPECKLED LIMA BEANS

Lima bean (white)
USE WHITE LIMA BEANS

Lima bean downy mildew
USE PHYTOPHTHORA PHASEOLI

LIMA BEANS

A

UF AWUJE
BEAN (BURMA)
BEAN (CIVET)
BEAN (CURRY)
BEAN (LIMA)
BEAN (MADAGASCAR)
BURMA BEAN
CIVET BEAN
CURRY BEAN
FEVE CREOLE
HARICOT DU KISSI
MADAGASCAR BEAN
POIS DU CAP
POIS SAVON
BT TROPICAL GRAIN LEGUMES
NT POTATO LIMA BEANS
RED LIMA BEANS
SIEVA BEANS
SPECKLED LIMA BEANS
WHITE LIMA BEANS
RT LINAMARIN
PHASEOLUS LUNATUS

LIME

D

BT FERTILIZERS
RT CALCIUM

Limits (permitted)
USE PESTICIDE TOLERANCES

LINAMARASE

B

UF LINASE
BT ENZYMES
RT LINAMARIN

LINAMARIN

G

UF MANIHOTOXIN
PHASEOLUNATIN
BT CYANOGENIC GLYCOSIDES

RT	ALANINE LIMA BEANS LINAMARASE	
Linase USE	LINAMARASE	
LINDANE		E
BT	INSECTICIDES	
RT	BHC	
Lines USE	CULTIVARS	
LINOLEIC ACID		F
UF	ALPHA-LINOLEIC ACID CIS-9, CIS-12-OCTADECADIENOIC ACID	
BT	UNSATURATED FATTY ACIDS	
LINOLENIC ACIDS		F
BT	UNSATURATED FATTY ACIDS	
LIPO-PROTEIN		F
RT	LIPOXYGENASE FAT CONTENT PROTEIN CONTENT	
Lipoxidase USE	LIPOXYGENASE	
LIPOXYGENASE		B
UF	LIPOXIDASE	
BT	ENZYMES	
RT	LIPO-PROTEIN OXYGEN PALATABILITY	
LIRIOMYZA TRIFOLII		E
BT	DIPTERA	
LIVE MULCHES		D
UF	MULCHES (LIVE)	
BT	MULCHES	
NT	GRASS MULCHES	
RT	COVER CROPS	
Livestock USE	DOMESTIC ANIMALS	
Livestock feeds USE	FEEDS AND FEEDING	
LOAMS		D
BT	SOILS	
Lobia USE	COWPEAS	

Locust bean (African)
USE AFRICAN LOCUST BEANS

Locust bean (West African)
USE PARKIA FILICOIDEA

Locusts
USE ORTHOPTERA

LODGING
BT PLANT WEATHERING

D

Long bean
USE COWPEAS

Loss of crop
USE CROP LOSSES

Loss of nutrients
USE NUTRIENT LOSS

Loss of yield
USE YIELD LOSS

LOTNONIS
BT LEGUMINOSAE-PAPILIONOIDEAE
NT LOTNONIS BAINESII
LOTNONIS LAXA

A

LOTNONIS BAINESII
BT LOTNONIS
RT TROPICAL FORAGE LEGUMES

A

LOTNONIS LAXA
BT LOTNONIS

A

Lubia
USE LABLAB

Lucerne (Brazilian)
USE BRAZILIAN LUCERNE

Lucerne (Townsville)
USE TOWNSVILLE LUCERNE

Lucerne dwarf virus
USE ALFALFA DWARF VIRUS

Lucerne mosaic virus
USE ALFALFA MOSAIC VIRUS

Lucernes (stylo)
USE STYLO LUCERNES

Lupin (Egyptian)
USE EGYPTIAN LUPIN

Lupin (white)
USE WHITE LUPIN

Lupines
USE LUPINS

LUPINS A
UF LUPINES
BT TROPICAL FORAGE LEGUMES
NT EGYPTIAN LUPIN
WHITE LUPIN
RT GREEN-MANURE LEGUMES
LUPINUS

LUPINUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT LUPINUS ALBUS
LUPINUS PILOSUS
LUPINUS TERMIS
RT LUPINS

LUPINUS ALBUS A
BT LUPINUS
RT WHITE LUPIN

LUPINUS PILOSUS A
BT LUPINUS

LUPINUS TERMIS A
BT LUPINUS
RT EGYPTIAN LUPIN

LYGUS LINEOLARIS E
UF TARNISHED PLANT BUG
BT HETEROPTERA

LYON BEANS A
UF BEAN (LYON)
POIS MASCATE
BT VELVET BEANS
RT GREEN-MANURE LEGUMES
MUCUNA NIVEA

LYSINE F
BT AMINO ACIDS

Macaroni
USE PASTA

Machetes
USE REAPING KNIVES

Macrophomina phaseoli
USE MACROPHOMINA PHASEOLINA

MACROPHOMINA PHASEOLINA E
UF CHARCOAL ROT
MACROPHOMINA PHASEOLI
RHIZOCTONIA BATATICOLA
BT MYCOSES

MACROPTILIUM A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT MACROPTILIUM LONGEPEDUNCULATUM

MACROPTILIUM LONGEPEDUNCULATUM A
UF PHASEOLUS CAMPESTRIS
PHASEOLUS LONGEPEDUNCULATUS
VIGNA CAMPESTRIS
BT MACROPTILIUM

Macrosiphum pisi
USE ACYRTHOSIPHON PISUM

Macrosiphum pisum
USE ACYRTHOSIPHON PISUM

MACROTYLOMA A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT MACROTYLOMA AFRICANUM
MACROTYLOMA AXILLARE
MACROTYLOMA BIEENSE
MACROTYLOMA BREVICAULE
MACROTYLOMA CHRYSANTHUM
MACROTYLOMA CILIATUM
MACROTYLOMA DALTONII
MACROTYLOMA DENSIFLORUM
MACROTYLOMA DEWILDEMANIANUM
MACROTYLOMA ELLIPTICUM
MACROTYLOMA FIMBRIATUM
MACROTYLOMA HOCKII
MACROTYLOMA KASAIENSE
MACROTYLOMA KATANGENSE
MACROTYLOMA MARANGUENSE
MACROTYLOMA OLIGANTHUM
MACROTYLOMA RUPESTRE
MACROTYLOMA STENOPHYLLUM
MACROTYLOMA STIPULOSUM
MACROTYLOMA TENUIFLORUM
MACROTYLOMA UNIFLORUM

MACROTYLOMA AFRICANUM	A
UF DOLICHOS AFRICANUS	
BT MACROTYLOMA	
MACROTYLOMA AXILLARE	A
UF DOLICHOS AXILLARIS	
BT MACROTYLOMA	
MACROTYLOMA BIEENSE	A
UF DOLICHOS BIEENSIS	
BT MACROTYLOMA	
MACROTYLOMA BREVICAULE	A
UF DOLICHOS BREVICAULIS	
BT MACROTYLOMA	
MACROTYLOMA CHRYSANTHUM	A
UF DOLICHOS CHRYSANTHUS	
BT MACROTYLOMA	
MACROTYLOMA CILIATUM	A
UF DOLICHOS CILIATUS	
BT MACROTYLOMA	
MACROTYLOMA DALTONII	A
UF DOLICHOS DALTONII	
BT MACROTYLOMA	
MACROTYLOMA DENSIFLORUM	A
UF DOLICHOS DENSIFLORUS	
DOLICHOS HENDRICKXII	
DOLICHOS RINGOETII	
BT MACROTYLOMA	
MACROTYLOMA DEWILDEMANIANUM	A
UF DOLICHOS DEWILDEMANIANUS	
DOLICHOS ERECTUS	
BT MACROTYLOMA	
MACROTYLOMA ELLIPTICUM	A
UF DOLICHOS ELLIPTICUS	
DOLICHOS ERIOCAULUS	
BT MACROTYLOMA	
MACROTYLOMA FIMBRIATUM	A
UF DOLICHOS ESCULENTUS	
DOLICHOS FIMBRIATUS	
BT MACROTYLOMA	
MACROTYLOMA HOCKII	A
UF DOLICHOS HOCKII	
BT MACROTYLOMA	
MACROTYLOMA KASAIENSE	A
UF DOLICHOS KASAIENSIS	
BT MACROTYLOMA	

MACROTYLOMA KATANGENSE	A
UF DOLICHOS KATANGENSIS	
BT MACROTYLOMA	
MACROTYLOMA MARANGUENSE	A
UF DOLICHOS TAUBERTII	
DOLICHOS ZANZIBARENSIS	
GLYCINE MARANGUENSIS	
BT MACROTYLOMA	
MACROTYLOMA OLIGANTHUM	A
UF DOLICHOS OLIGANTHUS	
BT MACROTYLOMA	
MACROTYLOMA RUPESTRE	A
UF DOLICHOS LONGISTIPELLATUS	
DOLICHOS RUPESTRIS	
BT MACROTYLOMA	
MACROTYLOMA STENOPHYLLUM	A
UF DOLICHOS STENOPHYLLUS	
BT MACROSTYLUM	
MACROTYLOMA STIPULOSUM	A
UF DOLICHOS FISCHERI	
DOLICHOS STIPULOSUS	
BT MACROTYLOMA	
MACROTYLOMA TENUIFLORUM	A
UF DESMODIUM TENUIFLORUM	
DOLICHOS BAUMANNII	
DOLICHOS TENUIFLORUS	
BT MACROTYLOMA	
MACROTYLOMA UNIFLORUM	A
UF DOLICHOS BIFLORUS AUCTT	
DOLICHOS UNIFLORUS	
BT MACROTYLOMA	
NT MACROTYLOMA UNIFLORUM BENADIRIANUM	
MACROTYLOMA UNIFLORUM VERRUCOSUM	
MACROTYLOMA UNIFLORUM BENADIRIANUM	A
UF DOLICHOS BENADIRIANUS	
BT MACROTYLOMA UNIFLORUM	
MACROTYLOMA UNIFLORUM VERRUCOSUM	A
BT MACROTYLOMA UNIFLORUM	
Madagascar bean	
USE LIMA BEANS	
Madagascar groundnut	
USE BAMBARRA GROUNDNUTS	
Madras gram	
USE HORSE GRAM	

MAGNESIUM		D
UF	MG	
BT	MINERALS AND NUTRIENTS	
RT	SULPHATE OF POTASH-MAGNESIA	
MAIZE		D
UF	CORN (N. American usage)	
BT	CEREALS	
MAJOR GENES		C
BT	GENES	
MALATHION		E
UF	MALATHION	
BT	ACARICIDES	
	INSECTICIDES	
Malathion		
USE	MALATHION	
MALE STERILITY		C
UF	STERILITY (MALE)	
BT	BREEDING METHODS	
MALEIC HYDRAZIDE		E
BT	HERBICIDES	
MALNUTRITION		G
BT	NUTRITION	
RT	HEALTH	
MALTASE		B
BT	ENZYMES	
RT	MALTOSE	
MALTOSE		F
BT	SUGARS	
RT	GLUCOSE	
	MALTASE	
Management (pest)		
USE	INTEGRATED CONTROL	
Management (water)		
USE	WATER MANAGEMENT	
MANAGEMENT PRACTICES		D
RT	AGRONOMY	
	CULTIVATION	
	CULTIVATION SYSTEMS	
MANEB		E
UF	DITHANE M-22	
BT	FUNGICIDES	

MANGANESE

D

UF Mn
BT MINERALS AND NUTRIENTS

Manihotoxin

USE LINAMARIN

Manioc bean

USE MEXICAN YAM BEANS

Manpower

USE LABOUR

MANURES

D

BT NUTRITIONAL REQUIREMENTS
NT DUNG
GREEN MANURES
RT HUMIFICATION
NITROGEN
PHOSPHORUS
POTASSIUM

Manuring (green)

USE GREEN MANURING

MAPS

J

UF ATLASES
BT DOCUMENTATION

Marble pea

USE COWPEAS

Marienbau bean mosaic virus

USE BEAN COMMON MOSAIC VIRUS

Market

USE CONSUMPTION

MARKETING

H

UF SELLING
NT TRADE
CONTRACTUAL SELLING
OPEN MARKETING
RT DISTRIBUTION
ECONOMICS
PRODUCTION

Marmor annularium

USE TOBACCO RING SPOT VIRUS

Marmor arachidis

USE GROUNDNUT ROSETTE VIRUS

Marmor iners

USE PEA STREAK VIRUS

Marmor taesiofaciens
USE BEAN SOUTHERN MOSAIC VIRUS

Marmor leguminosarum
USE PEA MOSAIC VIRUS

Marmor manifestum
USE BEAN YELLOW MOSAIC VIRUS

Marmor medicaginis
USE ALFALFA MOSAIC VIRUS

Marmor phaseoli
USE BEAN COMMON MOSAIC VIRUS

Marmor pisi
USE PEA ENATION MOSAIC VIRUS

Marmor tabaci
USE TOBACCO MOSAIC VIRUS

Marmor valvolarum
USE BEAN POD MOTTLE VIRUS

Marmor vignae
USE COWPEA APHID-BORNE MOSAIC VIRUS

Marmor vignae catjang
USE COWPEA (CHAVALI) MOSAIC VIRUS

MARUCA TESTULALIS
BT LEPIDOPTERA

E

Mat beans
USE MOTH BEANS

Matacil
USE AMINOCARB

Mating (uncontrolled)
USE RANDOM MATING

Matpe
USE MOTH BEANS

MATURATION
BT PLANT DEVELOPMENT
RT FLOWERING

B

Mauna Loa vine
USE CANAVALIA MICROCARPA

Mb
USE MOLYBDENUM

MCPA			E
UF	2-METHYL-4-CHLOROPHOXYACETIC ACID		
BT	HERBICIDES		
MEALS			F
SN	Used in animal feeds		
BT	PROCESSED PRODUCTS		
RT	FEED CONSTITUENTS		
	FOOD PRODUCTS		
MEAT SIMULANTS			G
UF	SIMULATED MEAT PRODUCTS		
	VEGETABLE MEAT		
BT	FOOD PRODUCTS		
MECARBAM			E
UF	AFOS		
	MURFOTOX		
	PESTAN		
BT	ACARICIDES		
	INSECTICIDES		
MECHANICAL DAMAGE			F
UF	DAMAGE (MECHANICAL)		
BT	DETERIORATION		
MECHANIZATION			J
RT	CULTIVATION		
	INDUSTRIALIZATION		
	PROCESSING		
MECHANIZED HARVESTING			D
UF	HARVESTING (MECHANIZED)		
BT	HARVESTING		
Medicago virus 1			
USE	ALFALFA MOSAIC VIRUS		
Medicago virus 2			
USE	ALFALFA MOSAIC VIRUS		
Medicago virus 3			
USE	ALFALFA DWARF VIRUS		
Medicagovirus maculans			
USE	ALFALFA MOSAIC VIRUS		
Medicagovirus nanescens			
USE	ALFALFA DWARF VIRUS		
Meibomia			
USE	DESMODIUM		

MEIOSIS		C
UF	REDUCTION DIVISION	
BT	CELL-DIVISION	
MELANAGROMYZA		E
BT	DIPTERA	
NT	MELANAGROMYZA OBTUSA	
	MELANAGROMYZA PHASEOLI	
MELANAGROMYZA OBTUSA		E
BT	MELANAGROMYZA	
MELANAGROMYZA PHASEOLI		E
UF	BEAN FLY	
	OPHIOMYIA PHASEOLI	
BT	MELANAGROMYZA	
MELILOTUS		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	MELILOTUS INDICA	
RT	SWEETCLOVERS	
MELILOTUS INDICA		A
UF	CLOVER (INDIAN)	
	CLOVER (KING ISLAND)	
	CLOVER (SOUR)	
	INDIAN CLOVER	
	KING ISLAND CLOVER	
	SCENTED TREFOIL	
	SENJI	
	SOUR CLOVER	
	SWEETCLOVER (YELLOW ANNUAL)	
	TREFOIL (SCENTED)	
	YELLOW ANNUAL SWEETCLOVER	
BT	MELILOTUS	

MELOIDOGYNE		E
BT	ROOT-KNOT NEMATODES	
NT	MELOIDOGYNE ARENARIA	
	MELOIDOGYNE ETHIOPICA	
	MELOIDOGYNE HAPLA	
	MELOIDOGYNE INCOGNITA	
	MELOIDOGYNE INCOGNITA ACRITA	
	MELOIDOGYNE JAVANICA	
MELOIDOGYNE ARENARIA		E
UF	ANGUILLULINA ARENARIA	
	HETERODERA ARENARIA	
	TYLENCHUS ARENARIUS	
BT	MELOIDOGYNE	
MELOIDOGYNE ETHIOPICA		E
BT	ROOT-KNOT NEMATODES	
MELOIDOGYNE HAPLA		E
BT	MELOIDOGYNE	
MELOIDOGYNE INCOGNITA		E
UF	HETERODERA INCOGNITA	
	OXYURIS INCOGNITA	
BT	MELOIDOGYNE	
MELOIDOGYNE INCOGNITA ACRITA		E
BT	MELOIDOGYNE	
MELOIDOGYNE JAVANICA		E
UF	ANGUILLULA JAVANICA	
	HETERODERA JAVANICA	
	TYLENCHUS JAVANICA	
BT	MELOIDOGYNE	

MENAZON		E
UF	SAYFOS	
	TRIAZINYL PHOSPHATE	
BT	INSECTICIDES	
Merchant grain beetle		
USE	ORYZAEPHILUS MERCATOR	
MERISTEMS		B
BT	PLANT TISSUES	
NT	APICAL MERISTEMS	
	CAMBIUM	
	INTERCALARY MERISTEMS	
RT	CELL-DIVISION	
MESOPHYLL		B
BT	PARENCHYMA	
RT	CHLOROPLASTS	
	LEAVES	
MESSENGER RNA		C
UF	MRNA	
BT	RNA	
RT	GENETIC CODE	
	POLYPEPTIDES	
METABOLIC INHIBITORS		F
UF	INHIBITORS (METABOLIC)	
NT	TRYPSIN INHIBITORS	
METABOLISM		B
NT	ANABOLISM	
	CATABOLISM	
RT	PHOTOSYNTHESIS	
METAL POLISHING		G
UF	POLISHING (METAL)	
BT	INDUSTRIAL USES	
METCALFE BEANS		A
UF	BEAN (METCALFE)	
BT	TROPICAL GRAIN LEGUMES	
RT	PHASEOLUS RETUSUS	
	TROPICAL FORAGE LEGUMES	
METHIONINE		F
BT	AMINO ACIDS	
Methods (experimental)		
USE	EXPERIMENTAL TECHNIQUES	
Methods (screening)		
USE	EVALUATION	

Methoxy-DDT
USE METHOXYCHLOR

METHOXYCHLOR E
UF DMDT
METHOXY-DDT
BT INSECTICIDES

2-Methyl-4-chlorophenoxyacetic acid
USE MCPA

Methyl-demeton-0
USE DEMETON-0-METHYL

MEVINPHOS E
UF PHOSDRIN
BT ACARICIDES
INSECTICIDES

MEXICAN YAM BEANS A
UF BEAN (MANIOC)
BEAN (MEXICAN YAM)
MANIOC BEAN
YAM BEAN (MEXICAN)
BT YAM BEANS
RT PACHYRHIZUS EROSUS

Mg
USE MAGNESIUM

MICE E
UF MOUSE
BT RODENTS

Microbiology (soil)
USE SOIL MICROBIOLOGY

MICROPYLES B
BT OVULES
RT POLLEN-TUBES

Mildew (bean downy)
USE PHYTOPHTHORA PHASEOLI

Mildew (cowpea downy)
USE PHYTOPHTHORA VIGNAE

Mildew (lima bean downy)
USE PHYTOPHTHORA PHASEOLI

Mildew (pea powdery)
USE PEA POWDERY MILDEW

Mildex
USE DINOCA

MILK		G
RT	DAIRY CATTLE MILK REPLACERS	
Milk (soy)		
USE	SOYMILK	
Milk cows		
USE	DAIRY CATTLE	
Milk foods		
USE	DAIRY FOODS	
MILK REPLACERS		G
UF	CALF STARTERS REPLACERS (MILK) STARTERS (CALF)	
BT	FEEDS AND FEEDING	
RT	MILK	
MILLETS		D
BT	CEREALS	
Milling		
USE	GRINDING	
Mills		
USE	PROCESSING PLANTS	
Mimosaceae		
USE	LEGUMINOSAE-MIMOSOIDEAE	
Mimosoideae		
USE	LEGUMINOSAE-MIMOSOIDEAE	
MINERAL CONTENT		F
BT	COMPOSITION	
RT	MINERALS AND NUTRIENTS	
MINERAL DEFICIENCIES		G
BT	DEFICIENCIES	
RT	CHLOROSIS MINERALS AND NUTRIENTS PLANT PHYSIOLOGICAL DISORDERS	
MINERALS AND NUTRIENTS		D
SN	Elemental nutritional requirements of grain legumes, man and domestic animals	
UF	NUTRIENTS	
NT	ALUMINIUM BORON CALCIUM CHLORINE	

COPPER
IRON
MAGNESIUM
MANGANESE
MOLYBDENUM
NITROGEN
OXYGEN
PHOSPHORUS
POTASSIUM
SODIUM
SULPHUR
ZINC
RT FEED CONSTITUENTS
MINERAL CONTENT
MINERAL DEFICIENCIES
PLANT NUTRITION

Mite biology
USE INSECT BIOLOGY

Mite bionomics
USE INSECT BIONOMICS

MITE CONTROL
UF CONTROL (MITE)
BT PEST CONTROL
NT ACARICIDES
RT BIOLOGICAL CONTROL
ENTOMOLOGY
INJURIOUS MITES

E

Mite pests
USE INJURIOUS MITES

Mite resistance of plants
USE HOST-PLANT RESISTANCE

Mites (beneficial)
USE BENEFICIAL ARTHROPODS

Mites (noxious)
USE INJURIOUS MITES

Mites (parasitic)
USE PARASITIC MITES

Mites (predacious)
USE PREDACIOUS MITES

Mites (predatory)
USE PREDACIOUS MITES

Miticides
USE ACARICIDES

MITOCHONDRIA		C
UF	CHONDRIOSOMES	
BT	CYTOPLASMIC ORGANELLES	
RT	ATP	
MITOSIS		C
UF	KARYOKINESIS	
BT	CELL-DIVISION	
MIXED CROPPING		D
UF	INTER-CROPPING	
	INTER-PLANTING	
BT	CULTIVATION SYSTEMS	
MIXED FARMING		D
UF	FARMING (MIXED)	
BT	FARMING SYSTEMS	
MIXED FERTILIZERS		D
BT	NITROGEN FERTILIZERS	
NT	AMMONIUM NITRATE	
	AMMONIUM SULPHATE NITRATE	
	CALCIUM AMMONIUM NITRATE	
RT	AMMONIUM FERTILIZERS	
	NITRATE FERTILIZERS	
Mn		
USE	MANGANESE	
MODIFYING GENES		C
BT	GENES	
Moisture		
USE	WATER REQUIREMENTS	
MOISTURE EFFECTS		D
BT	ENVIRONMENTAL EFFECTS	
RT	STORAGE RELATIVE HUMIDITY	
MOISTURE TESTS		D
BT	SEED QUALITY	
Molds (fungal)		
USE	MOULDS	
MOLYBDENUM		D
UF	MB	
BT	MINERALS AND NUTRIENTS	
Monkey nut		
USE	GROUNDNUTS	
MONO-AMMONIUM PHOSPHATE		D
BT	PHOSPHATE FERTILIZERS	
RT	AMMONIUM FERTILIZERS	

MONOCULTURE		D
UF	SOLE CROP	
BT	CULTIVATION SYSTEMS	
Monouron		
USE	MONURON	
Monsoon season		
USE	WET SEASON	
MONURON		E
UF	CMU	
	MONOURON	
BT	HERBICIDES	
MORPHOGENESIS		B
UF	EMBRYOLOGY (PLANT)	
	PLANT EMBRYOLOGY	
BT	PLANT DEVELOPMENT	
RT	DIFFERENTIATION	
	GROWTH	
MORPHOLOGICAL STERILITY		C
BT	STERILITY	
RT	EMASCULATION	
	INCOMPATIBILITY	
Morphology (plant)		
USE	PLANT ANATOMY	
Morsus suffodiens		
USE	ALFALFA DWARF VIRUS	
MOTH BEANS		A
UF	BEAN (MAT)	
	BEAN (MOTH)	
	BLACK MATPE	
	MAT BEANS	
	MATPE	
	PHILLIPESARA	
	PILLEPESARA	
	PILLEPESARY	
BT	TROPICAL GRAIN LEGUMES	
RT	VIGNA ACONITIFOLIA	
Moths		
USE	LEPIDOPTERA	
MOULDS		F
UF	MOLDS (FUNGAL)	
RT	DETERIORATION	
	MYCOSES	
Mouse		
USE	MICE	

MOWERS
BT HARVESTING EQUIPMENT D

mRNA
USE MESSENGER RNA

MUCUNA A
UF STIZOBIUM
BT LEGUMINOSAE-PAPILIONOIDEAE
NT MUCUNA ATERRIMA
MUCUNA DEERINGIANA
MUCUNA HASSJOO
MUCUNA NIVEA
MUCUNA SLOANEI
RT VELVET BEANS

Mucuna aterrima
USE MUCUNA ATERRIMA

MUCUNA ATERRIMA A
UF MUCUNA ALTERRIMA
STIZOBIUM ALTERRIMUM
BT MUCUNA
RT BENGAL BEANS

Mucuna cochinchinensis
USE MUCUNA NIVEA

MUCUNA DEERINGIANA A
UF MUCUNA PRURIENS UTILIS
STIZOBIUM DEERINGIANUM
BT MUCUNA
RT FLORIDA VELVET BEANS
OSCEOLA VELVET BEANS

MUCUNA HASSJOO A
UF STIZOBIUM HASSJOO
BT MUCUNA
RT YOKOHAMA BEANS

Mucuna lyonii
USE MUCUNA NIVEA

MUCUNA NIVEA A
UF MUCUNA COCHINCHINENSIS
MUCUNA LYONII
STIZOBIUM COCHINGHINENSIS
STIZOBIUM NIVEUM
BT MUCUNA
RT LYON BEANS
OSCEOLA VELVET BEANS

Mucuna pruriens utilis
USE MUCUNA DEERINGIANA

MUCUNA SLOANEI A
BT MUCUNA
RT HORSE-EYE BEANS

Muds (drilling)
USE DRILLING MUDES

Mukhun seen
USE JACK BEANS

MULCHES D
BT MULCHING
NT LIVE MULCHES
STRAW MULCHES

Mulches (grass)
USE GRASS MULCHES

Mulches (live)
USE LIVE MULCHES

Mulches (straw)
USE STRAW MULCHES

MULCHING D
BT CULTIVATION
NT MULCHES
RT HOEING

MULTIPLE CROPPING D
BT CULTIVATION SYSTEMS

MULTIPLICATION D
SN Increasing seed or vegetative
stock of a desired selection
UF BULKING UP
BT PROPAGATION
RT SEED CROPS

Mung
USE MUNG BEANS

Mung (wild)
USE VIGNA RADIATA SUBLOBATA

MUNG BEANS
SN Mung and Urd are said by Verdcourt
and others to be scarcely more than
variants of a single species. But
the two were confused by Linnaeus,
their nomenclature is 'very tangled',
and custom requires their separate
usage for the present
UF BEAN (MUNG)
GOLDEN GRAM

GRAM (GOLDEN)
GRAM (GREEN)
GREEN GRAM
MUNG
BT TROPICAL GRAIN LEGUMES
RT URD
VIGNA MUNGO
VIGNA RADIATA RADIATA

Murfotox
USE MECARBAM

Muriate of potash
USE POTASSIUM CHLORIDE

Muscatox
USE COUMAPHOS

Musivum tabaci
USE TOBACCO MOSAIC VIRUS

MUTAGENS C
UF CHEMICAL MUTAGENS
NT COLCHICINE
ETHYL METHANESULPHONATE
RT MUTATION BREEDING

MUTATION C
UF INDUCED MUTATION
BT BREEDING
RT MUTATION BREEDING
POLYPLOIDY

MUTATION BREEDING C
BT BREEDING METHODS
RT MUTAGENS
MUTATION

Muxiria utilis
USE PSEUDEMINIA MUXIRIA

Mycoplasmal diseases
USE MYCOPLASMOSES

MYCOPLASMOSES E
UF DISEASES (MYCOPLASMAL)
MYCOPLASMAL DISEASES
BT DISEASES AND PATHOGENS

MYCOSES

E

SN Includes pathogens. Restrict NTs
to important diseases or pathogens,
and enter others under this descriptor

UF DISEASES (FUNGAL)
FUNGAL DISEASES

BT DISEASES AND PATHOGENS

NT ALTERNARIA ALTERNATA
APHANOMYCES EUTEICHES
ASCOCHYTA FABAE
ASCOCHYTA PISI
ASCOCHYTA PUNCTATA
ASCOCHYTA RABIEI
ASPERGILLUS FLAVUS
ASPERGILLUS NIGER
ASPERGILLUS RUBER
BOTRYTIS CINEREA
BOTRYTIS FABAE
CALONECTRIA UNISEPTATA
CEPHALOSPORIUM GREGATUM
CERCOSPORA CANESCENS
CERCOSPORA CRUENTA
CERCOSPORA KIKUCHII
CERCOSPORA LEAF SPOT
CERCOSPORA SOJINA
CHOANEPHORA CUCURBITARUM
COLLETOTRICHUM LINDEMUTHIANUM
COLLETOTRICHUM TRUNCATUM
CORTICIUM ROLFSII
CORTICIUM SASAKII
CORYNESPORA CASSIICOLA
COWPEA WET STEM ROT
DIAPORTHE PHASEOLORUM CAULIVORA
DIAPORTHE PHASEOLORUM SOJAE
ELSINOE PHASEOLI
ERYSIPHE COMMUNIS PISI
FUSARIUM OXYSPORUM
FUSARIUM OXYSPORUM FABAE
FUSARIUM OXYSPORUM LENTIS
FUSARIUM OXYSPORUM PISI
FUSARIUM SOLANI
FUSARIUM SOLANI PHASEOLI
FUSARIUM UDUM
LEPTOSPHAERULINA CRASSIASCA
MACROPHOMINA PHASEOLINA
MYCOSPHAERELLA ARACHIDIS
MYCOSPHAERELLA BERKELEYI
MYCOSPHAERELLA PINODES
PEA POWDERY MILDEW
PERONOSPORA MANSHURICA
PHAKOPSORA PACHYRHIZI
PHOMOPSIS SOJAE
PHYTOPHTHORA MEGASPERMA SOJAE
PHYTOPHTHORA PHASEOLI
PHYTOPHTHORA VIGNAE
PROTOMYCOPSIS PATELII

PUCGINIA ARACHIDIS
PYTHIUM APHANIDERMATUM
PYTHIUM DEBARYANUM
PYTHIUM ULTIMUM
RHIZOCTONIA SOLANI
RHIZOPUS ARRHZIZUS
SEPTORIA GLYCINES
SOYBEAN POD AND STEM BLIGHT
THIELAVIOPSIS BASICOLA
TRICHODERMA VIRIDE
UROMYCES APPENDICULATUS
UROMYCES CICERIS-ARIETINI
UROMYCES VICIAE-FABAE
UROMYCES VIGNAE
RT MOULDS

MYCOSPHAERELLA ARACHIDIS E
UF CERCOSPORA ARACHIDICOLA
BT MYCOSES

MYCOSPHAERELLA BERKELEYI E
UF CERCOSPORA PERSONATA
BT MYCOSES

MYCOSPHAERELLA PINODES E
UF ASCOCHYTA PINODES
BT MYCOSES

MYLABRIS SPP E
BT COLEOPTERA

MYRISTIC ACID F
UF TETRADECANOIC ACID
BT SATURATED FATTY ACIDS

MYSORE FLOUR G
UF FLOUR (MYSORE)
BT FLOURS
RT TAPIOCA FLOUR

N
USE NITROGEN

Na
USE SODIUM

NABAM
UF DITHANE D-14
PARZATE
BT FUNGICIDES E

NABIS SPP
UF DAMSEL BUGS
BT HETEROPTERA E

NALED
UF DIBROM
BT ACARICIDES
INSECTICIDES E

Names (plant)
USE NOMENCLATURE

Natural distribution
USE PLANT GEOGRAPHY

Navy bean
USE FRENCH BEANS

NECTAR
RT INSECT POLLINATION B

Nele
USE PARKIA FILICOIDEA

Nematicide resistance
USE PESTICIDE RESISTANCE

NEMATICIDES
UF NEMATOCIDES
BT NEMATODE CONTROL
PESTICIDES
NT CHLOROPICRIN E

Nematocides
USE NEMATICIDES

NEMATODE CONTROL
BT PEST CONTROL
NT NEMATICIDES
RT NEMATODES E

Nematode resistance of plants
USE HOST-PLANT RESISTANCE

NEMATODE TRANSMISSION E
SN Transmission of pathogens by insects
BT DISEASE TRANSMISSION
RT NEMATODES
VECTORS

NEMATODES E
UF EELWORMS
INJURIOUS NEMATODES
BT NOXIOUS ANIMALS
NT BELONOLAIMUS GRACILIS
HELICOTYLENCHUS CAVENESSI
HELICOTYLENCHUS PSEUDOROBUSTUS
HEMICYCLIOPHORA ARENARIA
HETERODERA
HOPLOLAIMUS SEINHORSTI
PELTAMIGRATUS NIGERIENSIS
PRATYLENCHUS BRACHYURUS
PRATYLENCHUS VULNUS
RADOPHOLUS SIMILIS
ROOT-KNOT NEMATODES
ROTYLENCHULUS RENIFORMIS
SCUTELLONEMA BRADYS
SCUTELLONEMA CLATHRICAUDATUM
TRICHODORUS CHRISTIEI
XIPHINEMA AMERICANUM
XIPHINEMA BASIRI
RT NEMATODE CONTROL
NEMATODE TRANSMISSION

Nematodes (root-knot)
USE ROOT-KNOT NEMATODES

Nére
USE PARKIA FILICOIDEA

NEZARA VIRIDULA E
UF GREEN STINK BUG (SOUTHERN)
SOUTHERN GREEN STINK BUG
BT HETEROPTERA

Niacin
USE NICOTINIC ACID

Nicotiana virus 1
USE TOBACCO MISAIC VIRUS

Nicotiana virus 8
USE TOBACCO STREAK VIRUS

Nicotiana virus 12
USE TOBACCO RING SPOT VIRUS

Nicotianavirus annulosum
USE TOBACCO RING SPOT VIRUS

Nicotianavirus maculans
USE TOBACCO MOSAIC VIRUS

Nicotianavirus vulnerans
USE TOBACCO STREAK VIRUS

NICOTINE E
BT INSECTICIDES

NICOTINIC ACID F
UF NIACIN
BT VITAMIN CONTENT

Niébé
USE COWPEAS

NITRATE FERTILIZERS D
BT NITROGEN FERTILIZERS
NT CALCIUM NITRATE
POTASSIUM NITRATE
SODIUM NITRATE
RT MIXED FERTILIZERS

Nitrochloroform
USE CHLOROPICRIN

NITROGEN D
UF N
BT MINERALS AND NUTRIENTS
NT INORGANIC NITROGEN
SOIL NITROGEN
RT MANURES
NITROGEN CONVERSION
NITROGEN FERTILIZERS
NITROGEN FIXATION
NITROGENASE
PROTEINS

NITROGEN CONTENT F
BT COMPOSITION
NT PROTEIN NITROGEN CONTENT
TOTAL NITROGEN

NITROGEN CONVERSION F
RT NITROGEN
PROTEIN SYNTHESIS
PROTEINS

NITROGEN FERTILIZERS	D
BT FERTILIZERS	
NT AMIDE FERTILIZERS	
AMMONIUM FERTILIZERS	
MIXED FERTILIZERS	
NITRATE FERTILIZERS	
RT NITROGEN	
NITROGEN FIXATION	D
RT NITROGEN	
INORGANIC NITROGEN	
RHIZOBIA	
Nitrogen solubility index	
USE NSI	
NITROGENASE	B
BT ENZYMES	
RT NITROGEN	
NODULATION EFFECTIVITY	
Nitta tree (fern-leaved)	
USE PARKIA FILICOIDEA	
NO-TILLAGE	D
UF CONSERVATION TILLAGE	
ZERO TILLAGE	
RT TILLING	
NODULATION	B
UF NODULE FORMATION	
ROOT NODULATION	
BT SYMBIOSIS	
NT NODULATION EFFECTIVITY	
RT RHIZOBIA	
ROOTS	
NODULATION EFFECTIVITY	B
BT NODULATION	
RT HYDROGENASE	
NITROGENASE	
Nodule formation	
USE NODULATION	
NOMENCLATURE	A
UF NAMES (PLANT)	
PLANT NAMES	
RT TAXONOMY	
Non-eye pea	
USE PIGEON PEAS	
Non-food products	
USE INDUSTRIAL USES	

Non-mendelian inheritance		
USE	CYTOPLASMIC INHERITANCE	
NON-PERSISTENT VIRUSES		E
BT	VIRUS TRANSMISSION	
Northern corn rootworm		
USE	DIABROTICA LONGICORNIS	
NOXIOUS ANIMALS		E
BT	PESTS	
NT	BIRDS	
	INJURIOUS INSECTS	
	INJURIOUS MITES	
	NEMATODES	
	RODENTS	
NSI		F
UF	NITROGEN SOLUBILITY INDEX	
RT	PROTEIN CONTENT	
Nuclear division		
USE	CELL-DIVISION	
NUCLEIC ACIDS		C
NT	DNA	
	RNA	
NUCLEOLUS		C
BT	NUCLEUS	
RT	CHROMOSOMES	
NUCLEOTIDES		C
RT	GENETIC CODE	
	PURINES	
	PYRIMIDINES	
	SUGARS	
NUCLEUS		C
BT	CELL STRUCTURE	
NT	CHROMOSOMES	
	NUCLEOLUS	
RT	CELL-DIVISION	
NUMERICAL TAXONOMY		A
UF	TAXONOMY (NUMERICAL)	
BT	TAXONOMY	
NUTRIENT LOSS		G
UF	LOSS OF NUTRIENTS	
BT	NUTRITION	
RT	NUTRITIVE VALUE	
	PROCESSING	

NUTRIENT UPTAKE D
UF UPTAKE (NUTRIENT)
BT PLANT NUTRITION
RT TRANSLOCATION

Nutrients
USE MINERALS AND NUTRIENTS

NUTRITION G
SN Of man and domestic animals in relation
to grain-legume diets
UF ANIMAL NUTRITION
HUMAN NUTRITION
NT CALORIC VALUE
DIETS
MALNUTRITION
NUTRIENT LOSS
NUTRITIVE VALUE
RT ANIMAL PHYSIOLOGY
BIOCHEMISTRY
COOKING
FEEDS AND FEEDING
FOOD PRODUCTS
HUMAN PHYSIOLOGY

Nutrition (plant)
USE PLANT NUTRITION

NUTRITIONAL REQUIREMENTS D
SN Of grain legumes
BT CULTIVATION
NT FERTILIZERS
MANURES
RT PLANT NUTRITION
PLANT PHYSIOLOGICAL PROCESSES
SOIL FERTILITY

Nutritional value
USE NUTRITIVE VALUE

NUTRITIVE VALUE G
UF FOOD VALUE
NUTRITIONAL VALUE
BT NUTRITION
NT PER
RT COMPOSITION
DIETARY VALUE
NUTRIENT LOSS

0
USE OXYGEN

Ochrus vetch
USE CYPRUS VETCH

Octachlor
USE CHLORDANE

cis-9, cis-12-Octadecadienoic acid
USE LINOLEIC ACID

Octadecanoic acid
USE STEARIC ACID

cis-9-Octadecenoic acid
USE OLEIC ACID

OIL BEANS

UF BEAN (OIL)
BT TROPICAL GRAIN LEGUMES
RT CONDIMENTS
PENTACLETHRA MACROPHYLLA

A

Oil content
USE FAT CONTENT

Oil-drilling muds
USE DRILLING MUDS

OIL EXTRACTION

UF EXTRACTION (OIL)
BT PROCESSING
RT EXTRACTORS
OILS

F

Oil factories
USE PROCESSING PLANTS

OIL-SEED LEGUMES
BT LEGUMES
NT GROUNDNUTS
SOYBEANS

A

OILS

BT FAT CONTENT
NT CRUDE OILS
DEGUMMED OILS
RT ENDOSPERM
FAT CONTENT
LECITHIN
OIL EXTRACTION
PROCESSED PRODUCTS

F

OLEIC ACID		F
UF	CIS-9-OCTADECENOIC ACID	
BT	UNSATURATED FATTY ACIDS	
OMPA		
USE	SCHRADAN	
One-leaved clover		
USE	ALYSICARPUS VAGINALIS	
OOTHECA MUTABILIS		E
UF	BROWN LEAF BEETLE	
BT	COLEOPTERA	
OPEN MARKETING		H
BT	MARKETING	
OPEN POLLINATION		C
RT	POLLINATION	
	RANDOM MATING	
Ophiomyia phaseoli		
USE	MELANAGROMYZA PHASEOLI	
Organelles		
USE	CYTOPLASMIC ORGANELLES	
ORGANIC MATTER		D
BT	SOILS	
Organoleptic examination		
USE	PALATABILITY	
Oriental cowpea bruchid		
USE	CALLOSOBRUCHUS CHINENSIS	
Origin (plant)		
USE	CENTRE OF ORIGIN	
ORIOUS SPP		E
UF	PIRATE BUGS	
BT	HETEROPTERA	
ORNITHINE		F
BT	AMINO ACIDS	
Orthocide 406		
USE	CAPTAN	
ORTHOPTERA		E
UF	CRICKETS	
	GRASSHOPPERS	
	LOCUSTS	
BT	INJURIOUS INSECTS	
NT	HILDA PATRUELIS	

ORYZAEPHILUS MERCATOR	E
UF MERCHANT GRAIN BEETLE	
BT COLEOPTERA	
RT STORED PRODUCTS PESTS	
ORYZAEPHILUS SURINAMENSIS	E
UF SAW-TOOTHED GRAIN BEETLE	
BT COLEOPTERA	
RT STORED PRODUCTS PESTS	
OSCEOLA VELVET BEANS	A
UF BEAN (OSCEOLA VELVET)	
VELVET BEAN (OSCEOLA)	
BT VELVET BEANS	
RT MUCUNA DEERINGIANA	
MUCUNA NIVEA	
Otili	
USE AFRICAN YAM BEANS	
OVARIES	B
BT GYNOECIUM	
NT OVULES	
RT PERICARP	
Overlook	
USE JACK BEANS	
Ovex	
USE CHLORFENSON	
Ovotran	
USE CHLORFENSON	
OVULES	B
BT OVARIES	
NT MICROPYLES	
RT GAMETES	
Owens bean	
USE JACK BEANS	
OXYGEN	D
UF O	
BT MINERALS AND NUTRIENTS	
RT PHOTOSYNTHESIS	
LIPOXYGENASE	
Oxyuris incognita	
USE MELOIDOGYNE INCOGNITA	

P
USE PHOSPHORUS

PACHYRHIZUS A

UF PACHYRRHIZUS
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PACHYRHIZUS AHIPA
PACHYRHIZUS ANGULATUS
PACHYRHIZUS BULBOSUS
PACHYRHIZUS EROSUS
PACHYRHIZUS PALMATILOBUS
PACHYRHIZUS TUBEROSUS
RT YAM BEANS

PACHYRHIZUS AHIPA A

UF DOLICHOS AHIPA
BT PACHYRHIZUS
RT AHIPA

PACHYRHIZUS ANGULATUS A

BT PACHYRHIZUS
RT WAYAKA YAM BEANS

PACHYRHIZUS BULBOSUS A

BT PACHYRHIZUS

PACHYRHIZUS EROSUS A

UF CACARA EROSA
BT PACHYRHIZUS
RT MEXICAN YAM BEANS

PACHYRHIZUS PALMATILOBUS A

BT PACHYRHIZUS
RT JICANA

Pachyrhizus trilobus
USE PUERARIA THUNBERGIANA

PACHYRHIZUS TUBEROSUS A

BT PACHYRHIZUS

Pachyrrhizus
USE PACHYRHIZUS

PACKAGING F

BT PROCESSING
NT CANNING
RT DISTRIBUTION
USES

PAINTS G

BT INDUSTRIAL USES

PALATABILITY		G
UF	FLAVOUR ORGANOLEPTIC EXAMINATION TASTE	
BT	DIETARY VALUE	
RT	FLAVOUR RETENTION LIPOXYGENASE	
PALMATOXINS		B
BT	PLANT TOXINS	
PALMITIC ACID		F
UF	HEXADECANOIC ACID	
BT	SATURATED FATTY ACIDS	
PALMITOLEIC ACID		F
UF	9-HEXADECENOIC ACID	
BT	UNSATURATED FATTY ACIDS	
Papilionaceae		
USE	LEGUMINOSAE-PAPILIONOIDEAE	
Papilionoideae		
USE	LEGUMINOSAE-PAPILIONOIDEAE	
PARAQUAT		E
BT	HERBICIDES	
PARASITIC INSECTS		E
UF	INSECTS (PARASITIC)	
BT	INSECT AGENTS	
RT	PARASITISM	
PARASITIC MITES		E
UF	MITES (PARASITIC)	
BT	INSECT AGENTS	
RT	PARASITISM	
PARASITISM		B
BT	BIOLOGICAL COMPETITION	
RT	PARASITIC INSECTS PARASITIC MITES	
PARATHION		E
UF	THIOPHOS	
BT	ACARICIDES INSECTICIDES	
PARENCHYMA		B
NT	CHLORENCHYMA MESOPHYLL	
RT	CORTEX PITH	

PARKIA		A
BT	LEGUMINOSAE-MIMOSOIDEAE	
NT	PARKIA AFRICANA	
	PARKIA FILICOIDEA	
	PARKIA JAVANICA	
	PARKIA SPECIOSA	
RT	AFRICAN LOCUST BEANS	
PARKIA AFRICANA		A
UF	PARKIA BIGLOBOSA BENTH	
BT	PARKIA	
Parkia biglobosa Benth		
USE	PARKIA AFRICANA	
Parkia biglobosa Roxb		
USE	PARKIA JAVANICA	
PARKIA FILICOIDEA		A
UF	BEAN (WEST AFRICAN LOCUST)	
	FERN-LEAVED NITTA TREE	
	LOCUST BEAN (WEST AFRICAN)	
	NELE	
	NERE	
	NITTA TREE (FERN-LEAVED)	
	WEST AFRICAN LOCUST BEAN	
BT	PARKIA	
PARKIA JAVANICA		A
UF	PARKIA BIGLOBOSA ROXB	
BT	PARKIA	
PARKIA SPECIOSA		A
BT	PARKIA	
PARTHENOCARPY		B
RT	FRUITING	
PARTICLE SIZE		F
RT	GRADING	
Parzate		
USE	NABAM	
PASTA		G
UF	MACARONI	
	SPAGHETTI	
	VERMICELLI	
BT	FOOD PRODUCTS	
RT	DOUGHS	

Pasture legumes

USE FORAGE LEGUMES

Patentkali

USE SULPHATE OF POTASH-MAGNESIA

Pathogens

USE DISEASES AND PATHOGENS

Pathology (plant)

USE PLANT PATHOLOGY

Patterns (dietary)

USE DIETARY PATTERNS

Patterns (rainfall)

USE RAINFALL PATTERNS

PCPBS

USE FENSON

PDI

UF PROTEIN DISPERSIBILITY INDEX

RT PROTEIN CONTENT

F

Pea (Abyssinian)

USE ABYSSINIAN PEAS

Pea (Angola)

USE PIGEON PEAS

Pea (asparagus)

USE GOA BEANS

Pea (black-eye)

USE COWPEAS

Pea (chick)

USE CHICK PEAS

Pea (common)

USE COMMON PEAS

Pea (Congo)

USE PIGEON PEAS

Pea (cow)

USE COWPEAS

Pea (earth)

USE BAMBARRA GROUNDNUTS

- Pea (Egyptian)
USE CHICK PEAS
- Pea (field)
USE COMMON PEAS
- Pea (flat)
USE LATHYRUS SYLVESTRIS
- Pea (garden)
USE COMMON PEAS
- Pea (goober)
USE GROUNDNUTS
- Pea (gram)
USE CHICK PEAS
- Pea (grass)
USE LATHYRUS SATIVUS
- Pea (Kaffir)
SN This term has been applied to at
least two crops. For those in
Voandzeia,
USE BAMBARRA GROUNDNUTS
For those in Vigna,
USE COWPEAS
- Pea (Lathyrus)
USE LATHYRUS SATIVUS
- Pea (marble)
USE COWPEAS
- Pea (non-eye)
USE PIGEON PEAS
- Pea (pigeon)
USE PIGEON PEAS
- Pea (southern)
USE COWPEAS
- Pea (Tangier)
USE LATHYRUS TINGITANUS
- Pea American streak virus
USE PEA STREAK VIRUS
- Pea aphid
USE ACYRTHOSIPHON PISUM
- Pea bean
USE FRENCH BEANS

PEA ENATION MOSAIC VIRUS E
UF MARMOR PISI
PEA VIRUS 1
PISUM VIRUS 1
PISUMVIRUS VERRUCANS
BT PEA MOSAICS

Pea leaf roll virus
USE BEAN LEAF ROLL VIRUS

PEA MOSAIC VIRUS E
UF COMMON PEA MOSAIC VIRUS
MARMOR LEGUMINOSARUM
PEA MOSAIC VIRUS 1
PEA VIRUS 2
PEA VIRUS 3
PISUM VIRUS 2
BT PEA MOSAICS
RT BEAN COMMON MOSAIC VIRUS
BEAN YELLOW MOSAIC VIRUS

Pea mosaic virus 1
USE PEA MOSAIC VIRUS

PEA MOSAICS E
BT VIROSES
NT PEA ENATION MOSAIC VIRUS
PEA MOSAIC VIRUS

Pea pod borer
USE ETIELLA ZINCKENELLA

PEA POWDERY MILDEW E
UF MILDEW (PEA POWDERY)
POWDERY MILDEW (PEA)
BT MYCOSES
RT ERYSHIPHE COMMUNIS PISI
FUSARIUM OXYSPORUM PISI

Pea root rot
USE APHANOMYCES EUTEICHES

PEA STREAK VIRUS E
UF AMERICAN STREAK
MARMOR INERS
PEA AMERICAN STREAK VIRUS
PEA STREAK VIRUS 1
PISUM VIRUS 5
PISUMVIRUS VIRGATUM
BT VIROSES
NT SWEETCLOVER VIRUS

Pea streak virus 1
USE PEA STREAK VIRUS

Pea tip yellowing virus
USE BEAN LEAF ROLL VIRUS

Pea top yellows virus
USE BEAN LEAF ROLL VIRUS

Pea virus 1
USE PEA ENATION MOSAIC VIRUS

Pea virus 2
USE PEA MOSAIC VIRUS

Pea virus 3
USE PEA MOSAIC VIRUS

Peanut
USE GROUNDNUTS

Peanut rosette virus
USE GROUNDNUT ROSETTE VIRUS

Peanut rust
USE PUCCINIA ARACHIDIS

PEAS A
BT TROPICAL GRAIN LEGUMES
NT COMMON PEAS
RT PISUM

PEDICELS B
BT FLOWERS

Pedigreeing
USE SELECTION

PEDOCLIMATIC FACTORS D
RT CLIMATIC REQUIREMENTS
SOIL REQUIREMENTS

PELLETING D
UF SEED PELLETING
BT PLACEMENT
RT SEED TREATMENT

Pellicularia sasakii
USE CORTICIUM SASAKII

PELTAMIGRATUS NIGERIENSIS E
BT NEMATODES

PENTACLETHRA A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PENTACLETHRA MACROPHYLLA

PENTACLETHRA MACROPHYLLA	A
BT PENTACLETHRA	
RT OIL BEANS	
PEPTIDES	C
NT POLYPEPTIDES	
RT AMINO ACIDS	
PROTEIN SYNTHESIS	
PER	G
UF PROTEIN EFFICIENCY RATIO	
BT NUTRITIVE VALUE	
RT PROTEIN CONTENT	
PROTEIN QUALITY	
Perennial lespedeza	
USE LESPEDEZA CUNEATA	
PERIANTH	B
NT CALYX	
COROLLA	
RT FLOWERS	
PERICARP	B
BT FRUITS	
RT OVARIES	
Permitted limits	
USE PESTICIDE TOLERANCES	
PERONOSPORA MANSHURICA	E
BT MYCOSES	
PERSIAN CLOVER	A
UF ANNUAL STRAWBERRY CLOVER	
BIRDSEYE CLOVER	
CLOVER (ANNUAL STRAWBERRY)	
CLOVER (BIRDSEYE)	
CLOVER (PERSIAN)	
SHAFTAL	
STRAWBERRY CLOVER (ANNUAL)	
TREFLE DE PERSE	
TREFLE RENVERSE	
BT CLOVERS	
RT TRIFOLIUM RESUPINATUM	
PERSISTENT VIRUSES	E
BT VIRUS TRANSMISSION	

PEST CONTROL E
UF CONTROL (PEST)
BT PLANT PROTECTION
NT DISEASE CONTROL
INSECT CONTROL
MITE CONTROL
NEMATODE CONTROL
RODENT CONTROL
RT HOST-PLANT RESISTANCE
INTEGRATED CONTROL
PEST CONTROL METHODS
PESTICIDES
PESTS

PEST CONTROL METHODS E
UF CONTROL METHODS (PEST)
BT PLANT PROTECTION
NT DUSTING
FUMIGATION
PHYSICAL METHODS
SEED TREATMENT
SOIL TREATMENT
SPRAYING
PLANT QUARANTINE
RT PEST CONTROL

Pest management
USE INTEGRATED CONTROL

Pestan
USE MECARBAM

PESTICIDE EFFECTS E
BT ABIOTIC DISEASE AGENTS
NT PHYTOTOXICITY
RT PESTICIDES
RHIZOBIAL REACTIONS

PESTICIDE RESIDUES E
UF RESIDUES (PESTICIDE)
RT PESTICIDES

PESTICIDE RESISTANCE E
SN Resistance of pest or disease
organisms to pesticides
UF ACARICIDE RESISTANCE
FUNGICIDE RESISTANCE
INSECTICIDE RESISTANCE
NEMATICIDE RESISTANCE
RESISTANCE (OF PATHOGENS TO PESTICIDES)
RESISTANCE (OF PESTS TO PESTICIDES)
RESISTANCE (OF WEEDS TO HERBICIDES)
RESISTANCE (PESTICIDE)
RT PESTICIDES

PESTICIDE TOLERANCES E

- SN Upper limits of residues or application rates prescribed by law for use of pesticides on legumes; not the tolerance or organisms to pesticides, for which see PESTICIDE RESISTANCE
- UF LIMITS (PERMITTED)
PERMITTED LIMITS
STANDARDS OF IDENTITY
- RT PESTICIDES
PUBLIC HEALTH

PESTICIDES E

- NT ACARICIDES
FUNGICIDES
HERBICIDES
INSECTICIDES
NEMATICIDES
RODENTICIDES
SYSTEMIC PESTICIDES
- RT PEST CONTROL
PESTICIDE EFFECTS
PESTICIDE RESIDUES
PESTICIDE RESISTANCE

Pestox 14

- USE DIMEFOX

PESTS E

- SN Note that this descriptor embraces all injurious organisms
- NT DISEASES AND PATHOGENS
NOXIOUS ANIMALS
WEEDS
- RT DETERIORATION
ECOLOGY
HOST RANGE
PEST. CONTROL

PET FOODS G

- UF CAT FOODS
DOG FOODS
- BT FEEDS AND FEEDING

PETALS B

- BT FLOWERS
- NT KEELS
STANDARDS
- RT COROLLA

PETIOLES B

- UF LEAF STALKS
STALKS (LEAF)
- BT LEAVES

pH
USE HYDROGEN-ION CONCENTRATION

PHAGES D
UF BACTERIOPHAGES
RT ANTISERA
RHIZOBIA

PHAKOPSORA PACHYRHIZI E
UF RUST (SOYBEAN)
SOYBEAN RUST
BT MYCOSES

PHASEMY BEANS A
UF BEAN (PHASEMY)
BT TROPICAL GRAIN LEGUMES
RT PHASEOLUS LATHYROIDES

Phaseolunatin
USE LINAMARIN

PHASEOLUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PHASEOLUS ACUTIFOLIUS
PHASEOLUS ADENANTHUS
PHASEOLUS COCCINEUS
PHASEOLUS HELVOLUS
PHASEOLUS LATHYROIDES
PHASEOLUS LUNATUS
PHASEOLUS POLYSTACHYUS
PHASEOLUS RETUSUS
PHASEOLUS SEMI-ERECTUS
PHASEOLUS SPHAERICUS
PHASEOLUS VULGARIS

Phaseolus aconitifolius
USE VIGNA ACONITIFOLIA

PHASEOLUS ACUTIFOLIUS A
BT PHASEOLUS
NT PHASEOLUS ACUTIFOLIUS LATIFOLIUS
RT TEPARY BEANS

PHASEOLUS ACUTIFOLIUS LATIFOLIUS A
BT PHASEOLUS ACUTIFOLIUS

PHASEOLUS ADENANTHUS A
UF PHASEOLUS ROSTRATUS
BT PHASEOLUS

Phaseolus angularis
USE VIGNA ANGULARIS

Phaseolus aureus
USE VIGNA RADIATA

Phaseolus calcaratus
USE VIGNA UMBELLATA

Phaseolus campestris
USE MACROPTILIUM LONGEPEDUNCULATUM

Phaseolus capensis
USE VIGNA VEXILLATA ANGUSTIFOLIA

Phaseolus caracalla
USE VIGNA CARACALLA

PHASEOLUS COCCINEUS
UF PHASEOLUS MULTIFLORUS
BT PHASEOLUS
RT SCARLET RUNNER BEANS

A

Phaseolus cylindricus
USE VIGNA UNGUICULATA CYLINDRICA

Phaseolus dalzellianus
USE VIGNA DALZELLIANA

Phaseolus dalzellii
USE VIGNA DALZELLIANA

Phaseolus dinteri
USE DECORSEA DINTERI

Phaseolus glaber
USE VIGNA RADIATA GLABRA

Phaseolus glabrescens
USE VIGNA RADIATA GLABRA

Phaseolus grahamianus
USE VIGNA GRAHAMIANA

PHASEOLUS HELVOLUS
BT PHASEOLUS

A

Phaseolus hirsutus
USE VIGNA LASIOCARPA

Phaseolus inamoenus
USE WHITE LIMA BEANS

Phaseolus lasiocarpus
USE VIGNA LASIOCARPA

PHASEOLUS LATHYROIDES A
BT PHASEOLUS
RT PHASEMY BEANS

Phaseolus limensis
USE PHASEOLUS LUNATUS

Phaseolus longepedunculatus
USE MACROPTILIUM LONGEPEDUNCULATUM

Phaseolus longifolius
USE VIGNA LONGIFOLIA

PHASEOLUS LUNATUS A
UF PHASEOLUS LIMENSIS
BT PHASEOLUS
RT LIMA BEANS

Phaseolus lunatus yellow mosaic virus
USE DOUBLE BEAN YELLOW MOSAIC VIRUS

Phaseolus macrorhynchus
USE VIGNA MACRORHYNCHA

Phaseolus metcalfei
USE PHASEOLUS RETUSUS

Phaseolus multiflorus
USE PHASEOLUS COCCINEUS

Phaseolus mungo auctt
USE VIGNA RADIATA

Phaseolus mungo L
USE VIGNA MUNGO

Phaseolus ovatus
USE VIGNA LONGIFOLIA

Phaseolus palmatus
USE VIGNA ACONITIFOLIA

Phaseolus pauciflorus
USE VIGNA DALZELLIANA

Phaseolus pilosus
USE VIGNA LASIOCARPA

PHASEOLUS POLYSTACHYUS A
BT PHASEOLUS

Phaseolus productus
USE VIGNA LONGIFOLIA

Phaseolus pubescens
USE VIGNA UMBELLATA

Phaseolus radiatus auctt
USE VIGNA RADIATA SUBLOBATA

Phaseolus radiatus L
USE VIGNA RADIATA

Phaseolus reflexopilosa
USE VIGNA REFLEXOPILOSA

PHASEOLUS RETUSUS
BT PHASEOLUS
RT METCALFE BEANS

A

Phaseolus ricciardianus
USE VIGNA UMBELLATA

Phaseolus riukuensis
USE VIGNA RIUKUENSIS

Phaseolus rostratus
USE PHASEOLUS ADENANTHUS

Phaseolus rufus
USE RED LIMA BEANS

Phaseolus schimperi
USE VIGNA MACRORHYNCHA

Phaseolus schlechteri
USE DECORSEA SCHLECHTERI

Phaseolus schottii
USE VIGNA LONGIFOLIA

PHASEOLUS SEMI-ERECTUS
BT PHASEOLUS

A

PHASEOLUS SPHAERICUS
BT PHASEOLUS

A

Phaseolus sphaerospermus
USE COWPEAS

Phaseolus stenocarpus
USE VIGNA MACRORHYNCHA

Phaseolus sublobatus
USE VIGNA RADIATA SUBLOBATA

Phaseolus trichocarpus
USE VIGNA LONGIFOLIA

Phaseolus trilobatus
USE VIGNA TRILOBATA

Phaseolus trilobus
USE VIGNA ACONTIFOLIA

Phaseolus trinervius
USE VIGNA RADIATA SUBLOBATA

Phaseolus unguiculatus
USE VIGNA UNGUICULATA UNGUICULATA

Phaseolus virus 1
USE BEAN COMMON MOSAIC VIRUS

Phaseolus virus 2
USE BEAN YELLOW MOSAIC VIRUS

PHASEOLUS VULGARIS
BT PHASEOLUS
RT KIDNEY BEANS

Phaseolusvirus flavescens
USE BEAN YELLOW MOSAIC VIRUS

Phaseolusvirus laedens
USE BEAN SOUTHERN MOSAIC VIRUS

Phaseolusvirus maculans
USE BEAN COMMON MOSAIC VIRUS

PHENOLOGY B
RT CLIMATIC REQUIREMENTS
E ECOLOGY
PLANT PHYSIOLOGY

PHENOTYPES D
RT AGRONOMIC CHARACTERS

PHENYLALANINE F
BT AMINO ACIDS

Phillipesara
USE MOTH BEANS

PHLOEM B
BT VASCULAR TISSUES
NT SIEVE-TUBES
RT CAMBIUM

PHOMOPSIS SOJAE E
BT MYCOSES
RT SOYBEAN POD AND STEM BLIGHT

PHORATE E
UF THIMET
BT ACARICIDES
INSECTICIDES

Phosdrin

USE MEVINPHOS

PHOSPHAMIDON

E

UF DIMECRON
BT ACARICIDES
INSECTICIDES

PHOSPHATE FERTILIZERS

D

BT FERTILIZERS
NT BASIC SLAG
DI-AMMONIUM PHOSPHATE
DI-CALCIUM PHOSPHATE
MONO-AMMONIUM PHOSPHATE
RHENANIAPHOSPHATE
SUPERPHOSPHATE
RT PHOSPHORUS

PHOSPHOGLYCERIC ACID

B

RT CARBON DIOXIDE
HEXOSE SUGARS

PHOSPHORUS

D

UF P
BT MINERALS AND NUTRIENTS
RT MANURES
PHOSPHATE FERTILIZERS

Phosphorylation (photosynthetic)

USE PHOTOPHOSPHORYLATION

PHOTOPERIOD

D

RT DAYLENGTH
PLANT DEVELOPMENT

PHOTOPHOSPHORYLATION

B

UF PHOSPHORYLATION (PHOTOSYNTHETIC)
PHOTOSYNTHETIC PHOSPHORYLATION
BT PHOTOSYNTHESIS
RT ADP
ATP

PHOTOSYNTHESIS

B

BT PLANT PHYSIOLOGICAL PROCESSES
NT CARBON FIXATION
PHOTOPHOSPHORYLATION
RT CHLOROPLASTS
LIGHT ENERGY
MESOPHYLL
METABOLISM
OXYGEN
PHOTOSYNTHETIC AREA
PHOTOSYNTHETIC PIGMENTS
PLANT ASSIMILATION

PHOTOSYNTHETIC AREA B
RT LEAF AREA INDEX
LEAVES
PHOTOSYNTHESIS

Photosynthetic phosphorylation
USE PHOTOPHOSPHORYLATION

PHOTOSYNTHETIC PIGMENTS B
UF PIGMENTS (PHOTOSYNTHETIC)
BT PLANT PIGMENTS
NT CAROTENOIDS
CHLOROPHYLL A
CHLOROPHYLL B
RT PHOTOSYNTHESIS
THYLAKOIDS

Phygon
USE DICHLONE

Phyllosticta rabiei
USE ASCOCHYTA RABIEI

PHYSICAL METHODS E
UF CONTROL METHODS (PHYSICAL)
BT PEST CONTROL METHODS
NT ELECTRO-MAGNETIC CONTROL
RT PLOUGHING
PRUNING
ROGUING

Physiological disorders (plant)
USE PLANT PHYSIOLOGICAL DISORDERS

Physiological processes (plant)
USE PLANT PHYSIOLOGICAL PROCESSES

Physiology (animal)
USE ANIMAL PHYSIOLOGY

Physiology (human)
USE HUMAN PHYSIOLOGY

Physiology (plant)
USE PLANT PHYSIOLOGY

PHYTOALEXINS C
NT HYDROXYPHASEOLLIN
RT HOST-PLANT RESISTANCE

Phytogeography
USE PLANT GEOGRAPHY

Phytopathology
USE PLANT PATHOLOGY

PHYTOPHTHORA MEGASPERMA SOJAE	E
UF ROOT ROT (SOYBEAN) SOYBEAN ROOT ROT	
BT MYCOSES	
RT HYDROXYPHASEOLLIN	
PHYTOPHTHORA PHASEOLI	E
UF BEAN DOWNY MILDEW DOWNY MILDEW (BEAN) DOWNY MILDEW (LIMA BEAN) LIMA BEAN DOWNY MILDEW MILDEW (BEAN DOWNY) MILDEW (LIMA BEAN DOWNY)	
BT MYCOSES	
PHYTOPHTHORA VIGNAE	E
UF COWPEA DOWNY MILDEW DOWNY MILDEW (COWPEA) MILDEW (COWPEA DOWNY)	
BT MYCOSES	
PHYTOTOXICITY	E
BT PESTICIDE EFFECTS	
Phytovirus nicomosaicum	
USE TOBACCO MOSAIC VIRUS	
Picfume	
USE CHLOROPICRIN	
PICKING	D
UF HAND-HARVESTING HARVESTING (HAND) PLUCKING	
BT HARVESTING	
PICLORAM	E
BT HERBICIDES	
Pierces vine disease virus	
USE ALFALFA DWARF VIRUS	
PIGEON PEA MOSAICS	E
BT VIROSES	
NT PIGEON PEA PALE MOSAIC VIRUS PIGEON PEA STERILITY MOSAIC VIRUS PIGEON PEA YELLOW MOSAIC VIRUS	
PIGEON PEA PALE MOSAIC VIRUS	E
BT PIGEON PEA MOSAICS	
PIGEON PEA STERILITY MOSAIC VIRUS	E
BT PIGEON PEA MOSAICS	

PIGEON PEA YELLOW MOSAIC VIRUS E
BT PIGEON PEA MOSAICS

PIGEON PEAS A

UF ALBERGA
ALVERJA
AMBREVADE
ANGOLA PEA
BEAN (CONGO)
CAJAN
CONGO BEAN
CONGO PEA
DHAL
DHAL (YELLOW)
GRAM (RED)
NON-EYE PEA
PEA (ANGOLA)
PEA (CONGO)
PEA (NON-EYE)
PEA (PIGEON)
POIS D'ANGOLE
RED GRAM
YELLOW DHAL
BT TROPICAL GRAIN LEGUMES
RT CAJANUS CAJAN

PIGLETS G
BT SWINE

Pigments (photosynthetic)
USE PHOTOSYNTHETIC PIGMENTS

Pigments (plant)
USE PLANT PIGMENTS

Pigs
USE SWINE

Pillepesara
USE MOTH BEANS

Pillepesary
USE MOTH BEANS

Pinto bean
USE FRENCH BEANS

Pirate bugs
USE ORIOUS SPP

Pistache de terre
USE GROUNDNUTS

Pistil
USE GYNOECIUM

PISUM A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PISUM SATIVUM
RT PEAS

Pisum abyssinicum
USE PISUM SATIVUM ABYSSINICUM

Pisum arvense abyssinicum
USE PISUM SATIVUM ABYSSINICUM

PISUM SATIVUM A
BT PISUM
NT PISUM SATIVUM ABYSSINICUM
RT COMMON PEAS

PISUM SATIVUM ABYSSINICUM A
UF PISUM ABYSSINICUM
PISUM ARVENSE ABYSSINICUM
BT PISUM SATIVUM
RT ABYSSINIAN PEAS

Pisum virus 1
USE PEA ENATION MOSAIC VIRUS

Pisum virus 2
USE PEA MOSAIC VIRUS

Pisum virus 5
USE PEA STREAK VIRUS

Pisum virus 8
USE BEAN LEAF ROLL VIRUS

Pisumvirus verrucans
USE PEA ENATION MOSAIC VIRUS

Pisumvirus virgatum
USE PEA STREAK VIRUS

PITH B'
BT STELE
RT PARENCHYMA

PLACEMENT D
UF FERTILIZER PLACEMENT
BT LAND PREPARATION
NT PELLETING
RT FERTILIZERS

PLAGIODERA INCLUSA E
BT COLEOPTERA

PLANT ANATOMY B
UF ANATOMY (PLANT)
MORPHOLOGY (PLANT)
PLANT MORPHOLOGY
NT INFLORESCENCES
INFRUTESCENCES
LEAVES
PLANT VASCULAR SYSTEM
ROOTS
SEEDS
STEMS
RT PLANT HABIT

PLANT ASSIMILATION B
UF ASSIMILATION (PLANT)
BT PLANT PHYSIOLOGICAL PROCESSES
RT PHOTOSYNTHESIS
PROTEIN SYNTHESIS

Plant breeding
USE BREEDING

Plant classification
USE TAXONOMY

PLANT DEVELOPMENT B
UF DEVELOPMENT (PLANT)
BT PLANT PHYSIOLOGY
NT GROWTH
MATURATION
MORPHOGENESIS
RT DEVELOPMENT STAGES
PHOTOPERIOD
SEASONAL DEVELOPMENT

Plant diseases
USE DISEASES AND PATHOGENS

Plant embryology
USE MORPHOGENESIS

PLANT EXPLORATION A
UF EXPLORATION (PLANT)
PLANT HUNTING
RT PLANT INTRODUCTION

PLANT FERTILITY B
UF FERTILITY (PLANT)
NT SELF-FERTILITY
RT BREEDING
GERMINATION
PLANT REPRODUCTION
STERILITY

PLANT GEOGRAPHY A

UF DISTRIBUTION (NATURAL)
GEOGRAPHY (PLANT)
NATURAL DISTRIBUTION
PHYTOGEOGRAPHY
NT CENTRE OF ORIGIN
RT ECOLOGY
HISTORY

PLANT-GROWTH SUBSTANCES B

UF GROWTH REGULATORS
HORMONES (PLANT)
PLANT HORMONES
NT ABSCISINS
AUXINS
CYTOKININS
GIBBERELLINS
RT GROWTH
HERBICIDES
PROPAGATION

PLANT HABIT D

UF GROWTH-FORM
HABIT (PLANT)
BT AGRONOMIC CHARACTERS
NT ACUTE ERECT HABIT
CLIMBING HABIT
DETERMINACY
ERECT HABIT
INTERMEDIATE HABIT
PROSTRATE HABIT
SEMI-ERECT HABIT
SEMI-PROSTRATE HABIT
RT HABIT IMPROVEMENT
PLANT ANATOMY

Plant histology
USE PLANT TISSUES

Plant hormones
USE PLANT-GROWTH SUBSTANCES

Plant hunting
USE PLANT EXPLORATION

Plant identification
USE IDENTIFICATION

PLANT INTRODUCTION C

UF INTRODUCTION (PLANT)
BT BREEDING
RT GENETIC RESOURCES
PLANT EXPLORATION
PLANT QUARANTINE

Plant lice
USE HOMOPTERA

Plant morphology
USE PLANT ANATOMY

Plant movements
USE TROPISMS

Plant names
USE NOMENCLATURE

PLANT NUTRITION D
UF NUTRITION (PLANT)
NT NUTRIENT UPTAKE
RT MINERALS AND NUTRIENTS
NUTRITIONAL REQUIREMENTS

Plant origin
USE CENTRE OF ORIGIN

PLANT PATHOLOGY E
UF PATHOLOGY (PLANT)
PHYTOPATHOLOGY
RT DISEASE CONTROL
DISEASES AND PATHOGENS

PLANT PHYSIOLOGICAL DISORDERS B
UF DISEASES (PLANT PHYSIOLOGICAL)
DISORDERS (PLANT PHYSIOLOGICAL)
PHYSIOLOGICAL DISORDERS (PLANT)
RT ABIOTIC DISEASE AGENTS
DISEASES AND PATHOGENS
MINERAL DEFICIENCIES
PLANT PATHOLOGY

PLANT PHYSIOLOGICAL PROCESSES B
UF PHYSIOLOGICAL PROCESSES (PLANT)
NT PHOTOSYNTHESIS
PLANT ASSIMILATION
PLANT RESPIRATION
TRANSLOCATION
TRANSPIRATION
RT NUTRITIONAL REQUIREMENTS
PLANT PHYSIOLOGY

PLANT PHYSIOLOGY B
UF PHYSIOLOGY (PLANT)
NT PLANT DEVELOPMENT
PLANT REPRODUCTION
RT BIOCHEMISTRY
PHENOLOGY
PLANT PHYSIOLOGICAL PROCESSES

PLANT PIGMENTS B
UF PIGMENTS (PLANT)
NT PHOTOSYNTHETIC PIGMENTS

PLANT POPULATIONS	D
UF POPULATIONS (PLANT)	
RT ECOLOGY	
SPACING	
PLANT PROTECTION	E
UF PROTECTION (PLANT)	
NT PEST CONTROL	
PEST CONTROL METHODS	
WEED CONTROL	
RT PLANT PROTECTION EQUIPMENT	
PLANT PROTECTION EQUIPMENT	D
BT FARM IMPLEMENTS	
RT PLANT PROTECTION	
PLANT QUARANTINE	E
UF QUARANTINE (PLANT)	
BT PEST CONTROL METHODS	
RT PLANT INTRODUCTION	
PLANT REPRODUCTION	B
UF REPRODUCTION (PLANT)	
BT PLANT PHYSIOLOGY	
NT ASEXUAL REPRODUCTION	
FERTILISATION	
POLLINATION	
RT PLANT FERTILITY	
PROPAGATION	
PLANT RESPIRATION	B
UF RESPIRATION (PLANT)	
BT PLANT PHYSIOLOGICAL PROCESSES	
Plant systematics	
USE TAXONOMY	
PLANT TISSUES	B
UF HISTOLOGY (PLANT)	
PLANT HISTOLOGY	
TISSUES (PLANT)	
NT ÉPIDERMIS	
MERISTEMS	
STELE	
VASCULAR TISSUES	
PLANT TOXINS	B
UF TOXINS (PLANT)	
NT AFLATOXINS	
PALMATOXINS	
RT GERMINATION	
PLANT VASCULAR SYSTEM	B
UF VASCULAR SYSTEM (PLANT)	
BT PLANT ANATOMY	

RT LEAVES
ROOTS
STEMS
TRANSLOCATION
VASCULAR TISSUES

PLANT WEATHERING D
UF WEATHERING (PLANT)
BT AGRONOMIC CHARACTERS
NT LODGING
RT ENVIRONMENTAL EFFECTS

Planters (seed)
USE SEED DRILLS

PLANTING D
SN The planting of cuttings, setts,
or entire plants; for planting of
seed, use SOWING
BT CULTIVATION
RT TIMING

Planting (seed)
USE SOWING

Planting density
USE SPACING

Planting distance
USE SPACING

PLASMIDS C
BT GENETIC ELEMENTS

PLASTIDS C
BT CYTOPLASMIC ORGANELLES
NT CHROMOPLASTS
LEUCOPLASTS

PLATHYPENA SCABRA E
UF CLOVERWORM (GREEN)
GREEN CLOVERWORM
BT LEPIDOPTERA

Plectrotropis angustifolia
USE VIGNA VEXILLATA ANGUSTIFOLIA

Plot tests
USE FIELD EXPERIMENTS

PLOUGHING D
UF PLOWING
BT TILLING
RT CULTIVATORS
DIGGING HOES
PHYSICAL METHODS
PLOUGHS
SPADES

PLOUGHS		D
UF	PLOWS	
BT	CULTIVATION EQUIPMENT	
RT	PLOUGHING	
Plowing		
USE	PLOUGHING	
Plows		
USE	PLOUGHS	
Plucking		
USE	PICKING	
PLUMULE		B
BT	EMBRYO	
RT	COTYLEDONS	
PLUSIA ORICHALCEA		E
BT	LEPIDOPTERA	
Pod and stem blight (soybean)		
USE	SOYBEAN POD AND STEM BLIGHT	
POD CHARACTERS		D
BT	AGRONOMIC CHARACTERS	
NT	POD LENGTH	
	POD SHAPE	
	SHATTERING	
RT	PODS	
POD LENGTH		D
UF	LENGTH (POD)	
BT	POD CHARACTERS	
Pod removal		
USE	DEPODDING	
POD SHAPE		D
BT	POD CHARACTERS	
Pod shattering		
USE	SHATTERING	
PODISUS MACULIVENTRIS		E
UF	SOLDIER BUG (SPINED)	
	SPINED SOLDIER BUG	
BT	HETEROPTERA	
PODS		B
UF	FRUIT PODS	
	LEGUMES (BOTANICAL)	
BT	FRUITS	
RT	DEPODDING	
	POD CHARACTERS	

Pois
USE COMMON PEAS

Pois à vache
USE COWPEAS

Pois carré
USE GOA BEANS

Pois chiche
USE CHICK PEAS

Pois d'Angole
USE PIGEON PEAS

Pois du Cap
USE LIMA BEANS

Pois gogane
USE JACK BEANS

Pois mascate
USE LYON BEANS

Pois savon
USE LIMA BEANS

Poisoning
USE TOXICITY

Poisons (rat)
USE RODENTICIDES

Pole bean
USE FRENCH BEANS

Policies (development)
USE DEVELOPMENT

Policies (pricing)
USE PRICING POLICIES

Polishing (metal)
USE METAL POLISHING

POLLEN
BT ANthers
RT GAMETES
POLLEN-TUBES
POLLINATION

Pollen incompatibility
USE INCOMPATIBILITY

B

POLLEN-TUBES B
RT MICROPYLES
POLLEN

POLLINATING INSECTS B
UF INSECT POLLINATORS
INSECTS (POLLINATING)
NT BEES
RT BENEFICIAL ARTHROPODS
ENTOMOLOGY
INSECT POLLINATION

POLLINATION B
BT PLANT REPRODUCTION
NT INSECT POLLINATION
SELF-POLLINATION
WIND POLLINATION
RT FERTILISATION
HAND POLLINATION
INCOMPATIBILITY
ISOLATION
OPEN POLLINATION
POLLEN
STIGMA

Pollution (air) /
USE AIR POLLUTION

POLYGENES C
BT GENES
RT COMPLEMENTARY GENES

Polygenic inheritance
USE QUANTITATIVE INHERITANCE

POLYMERIC GENES C
SN Non-allelic genes of identical,
cumulative effect
BT GENES
RT DUPLICATE GENES

POLYPEPTIDES C
BT PEPTIDES
RT MESSENGER RNA

POLYPLOIDY C
BT BREEDING METHODS
RT MUTATION

Populations (plant)
USE PLANT POPULATIONS

Population dynamics (insect)
USE INSECT POPULATIONS

Porosity (soil)

USE SOIL POROSITY

Potash

USE POTASSIUM

Potash fertilizers

USE POTASSIUM FERTILIZERS

POTASSIUM

D

UF POTASH
BT MINERALS AND NUTRIENTS
RT MANURES
POTASSIUM FERTILIZERS
POTASSIUM NITRATE

POTASSIUM BICARBONATE

D

UF BICARBONATE OF POTASH
BT POTASSIUM FERTILIZERS

POTASSIUM CHLORIDE

D

UF MURIATE OF POTASH
BT POTASSIUM FERTILIZERS
RT CHLORINE

POTASSIUM FERTILIZERS

D

UF POTASH FERTILIZERS
BT FERTILIZERS
NT POTASSIUM BICARBONATE
POTASSIUM CHLORIDE
POTASSIUM SULPHATE
SULPHATE OF POTASH-MAGNESIA
RT POTASSIUM

POTASSIUM NITRATE

D

BT NITRATE FERTILIZERS
RT POTASSIUM

POTASSIUM SULPHATE

D

UF SULPHATE OF POTASH
BT POTASSIUM FERTILIZERS
RT SULPHUR

POTATO LIMA BEANS

A

UF BEAN (POTATO LIMA)
LIMA BEAN (POTATO)
BT LIMA BEANS

Potential (biological)

USE BIOLOGICAL POTENTIAL

Potential (productivity)

USE PRODUCTIVITY POTENTIAL

POULTRY

G

UF CHICKENS
FOWLS
BT DOMESTIC ANIMALS
NT CHICKS
RT EGGS

Powdery mildew (pea)

USE PEA POWDERY MILDEW

PRATYLENCHUS BRACHYURUS

E

UF ANGUILLULINA BRACHYURA
PRATYLENCHUS LEIOCEPHALUS
PRATYLENCHUS STEINERI
TYLENCHUS BRACHYURUS
BT NEMATODES

Pratylenchus leiocephalus

USE PRATYLENCHUS BRACHYURUS

Pratylenchus steineri

USE PRATYLENCHUS BRACHYURUS

PRATYLENCHUS VULNUS

E

BT NEMATODES

PRE-EMERGENCE HERBICIDES

E

UF HERBICIDES (PRE-EMERGENCE)
BT HERBICIDES
RT EMERGENCE

Predaceous insects

USE PREDACIOUS INSECTS

Predaceous mites

USE PREDACIOUS MITES

PREDACIOUS INSECTS

E

UF INSECTS (PREDACIOUS)
INSECTS (PREDATORY)
PREDACEOUS INSECTS
PREDATORY INSECTS
BT INSECT AGENTS

PREDACIOUS MITES

E

UF MITES (PREDACIOUS)
MITES (PREDATORY)
PREDACEOUS MITES
PREDATORY MITES
BT INSECT AGENTS

Predatory insects

USE PREDACIOUS INSECTS

Predatory mites

USE PREDACIOUS MITES

Preferences (consumer)
USE CONSUMER PREFERENCES

PRICE MAINTENANCE H
BT PRICES
RT PRICING POLICIES

PRICE STABILIZATION H
UF STABILIZATION (PRICE)
BT PRICES

PRICES H
SN Of grain-legume products and
comparative data only
BT ECONOMICS
NT PRICE MAINTENANCE
PRICE STABILIZATION
RT PRICING

PRICING H
RT PRICES

PRICING POLICIES H
UF POLICIES (PRICING)
RT PRICE MAINTENANCE
SUBSIDIES

Primatol A
USE ATRAZINE

Primatol S
USE SIMAZINE

Princess bean
USE FRENCH BEANS

PROCESSED PRODUCTS F
BT PRODUCTS
NT CAKES
FLAKES
GRITS
ISOLATED PROTEINS
LECITHIN
MEALS
PROTEIN CONCENTRATES
SPUN PROTEIN FIBRES
TEXTURIZED PROTEINS
RT FLOURS
OILS

PROCESSING

F

SN Processing of grain-legume products
NT CENTRIFUGING
CLEANING
CRACKING
DESOLVENTIZING
DRYING
EXTRUSION
FLAKING
FOAMING
FREEZING
GRINDING
HEATING
HYDRATING
OIL EXTRACTION
PACKAGING
SIEVING
THRESHING
TOASTING
RT MECHANIZATION
NUTRIENT LOSS
PROCESSING EQUIPMENT
PROCESSING PLANTS

PROCESSING EQUIPMENT

F

NT DRIERS
EXTRACTORS
EXTRUDERS
GRINDERS
THRESHERS
RT PROCESSING

PROCESSING PLANTS

F

UF FACTORIES
MILLS
OIL FACTORIES
RT PROCESSING

Prodenia litura auctt

USE SPODOPTERA LITTORALIS

Product applications

USE USES

PRODUCT QUALITY

F

UF QUALITY (PRODUCT)
NT GRADING

PRODUCTION

H

NT PRODUCTION DATA
RT ECONOMICS
MARKETING

Production costs		
USE	COSTS	
PRODUCTION DATA		H
UF	PRODUCTION STATISTICS	
BT	PRODUCTION	
Production statistics		
USE	PRODUCTION DATA	
PRODUCTIVITY		H
NT	ENERGY PRODUCTIVITY	
RT	PRODUCTIVITY POTENTIAL	
	WASTES	
	YIELDS	
PRODUCTIVITY POTENTIAL		C
UF	POTENTIAL (PRODUCTIVITY)	
RT	BREEDING AIMS	
	PRODUCTIVITY	
PRODUCTS		F
SN	Grain-legume products	
NT	FRESH PRODUCTS	
	PROCESSED PRODUCTS	
PROGENY TESTING		C
RT	BREEDING METHODS	
Programmes (feeding)		
USE	FEEDING PROGRAMS	
PROLINE		F
BT	AMINO ACIDS	
PROPAGATION		D
BT	CULTIVATION	
NT	GRAFTING	
	MULTIPLICATION	
RT	PLANT-GROWTH SUBSTANCES	
	PLANT REPRODUCTION	
	PROPAGATION MATERIALS	
	SOWING	
PROPAGATION MATERIALS		D
NT	CUTTINGS	
	SEED	
RT	CLONES	
	PROPAGATION	
PROPANIL		E
UF	DPA	
BT	HERBICIDES	
PROPHAM		E
UF	INPC	
	IPPC	
BT	HERBICIDES	

PROSTRATE HABIT		D
BT	PLANT HABIT	
PROTANDRY		B
SN	Maturation of anthers before stigmas	
RT	ANTHERS	
	SEQUENCE	
	STIGMA	
Protection (plant)		
USE	PLANT PROTECTION	
Protein (isoelectric)		
USE	ISOLECTRIC PROTEIN	
PROTEIN CONCENTRATES		F
UF	CONCENTRATES (PROTEIN)	
BT	PROCESSED PRODUCTS	
PROTEIN CONTENT		F
UF	HIGH-PROTEIN	
BT	COMPOSITION	
NT	AMINO ACIDS	
RT	GRADING	
	LIPO-PROTEIN	
	NSI	
	PDI	
	PROTEIN NITROGEN CONTENT	
	PROTEIN SYNTHESIS	
	PROTEINS	
PROTEIN CURD		F
UF	CURD	
RT	ISOLATED PROTEINS	
PROTEIN DEFICIENCIES		G
BT	DEFICIENCIES	
Protein dispersibility index		
USE	PDI	
Protein efficiency ratio		
USE	PER	
Protein fibres (spun)		
USE	SPUN PROTEIN FIBRES	
PROTEIN NITROGEN CONTENT		F
BT	NITROGEN CONTENT	
RT	PROTEIN CONTENT	
PROTEIN QUALITY		F
UF	QUALITY (PROTEIN)	
RT	PER	
	PROTEINS	

PROTEIN SYNTHESIS		F
RT	AMINO ACIDS	
	CYTOKININS	
	GENETIC CODE	
	NITROGEN CONVERSION	
	PEPTIDES	
	PLANT ASSIMILATION	
PROTEINATES		F
RT	ISOLATED PROTEINS	
PROTEINS		F
RT	NITROGEN	
	NITROGEN CONVERSION	
	PROTEIN CONTENT	
	PROTEIN QUALITY	
	RIBOSOMES	
Proteins (isolated)		
USE	ISOLATED PROTEINS	
Proteins (texturized)		
USE	TEXTURIZED PROTEINS	
PROTOGYNY		B
SN	Maturation of stigmas before anthers	
RT	ANTHERS	
	SEQUENCE	
	STIGMA	
PROTOMYCOPSIS PATELII		E
BT	MYCOSES	
PRUNING		D
UF	TOPPING	
BT	CULTIVATION	
RT	PHYSICAL METHODS	
Prussic acid		
USE	HCN	
PSEUDEMIA		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	PSEUDEMIA BENGUELLENSIS	
	PSEUDEMIA COMOSA	
	PSEUDEMIA MENDONCAE	
	PSEUDEMIA MUXIRIA	
PSEUDEMIA BENGUELLENSIS		A
UF	RHYNCHOSIA BENGUELLENSIS	
BT	PSEUDEMIA	

PSEUDEMINIA COMOSA	A
UF ERIOSEMA LOBOPHYLLUM	
ERIOSEMA UROSTACHYUM	
RHYNCHOSIA COMOSA	
BT PSEUDEMINIA	
PSEUDEMINIA MENDONCAE	A
UF RHYNCHOSIA MENDONCAE	
BT PSEUDEMINIA	
PSEUDEMINIA MUXIRIA	A
UF ERIOSEMA MUXIRIA	
MUXIRIA UTILIS	
RHYNCHOSIA MUXIRIA	
BT PSEUDEMINIA	
Pseudococcus brevipes	
USE DYSMICOCCLUS BREVIPES	
PSEUDOCOCCUS SPP	E
BT HOMOPTERA	
PSEUDOMONAS GLYCINEA	E
UF BACTERIAL BLIGHT (SOYBEAN)	
SOYBEAN BACTERIAL BLIGHT	
BT BACTERIOSES	
PSEUDOMONAS PHASEOLICOLA	E
UF BEAN HALO BLIGHT	
HALO BLIGHT (BEAN)	
BT BACTERIOSES	
PSEUDOMONAS PISI	E
BT BACTERIOSES	
PSEUDOMONAS SOLANACEARUM	E
BT BACTERIOSES	
PSEUDOMONAS SYRINGAE	E
UF BACTERIAL BROWN SPOT (BEAN)	
BEAN BACTERIAL BROWN SPOT	
BT BACTERIOSES	
PSEUDOVIGNA	A
BT LEGUMINOSAE-PAPILIONOIDEAE	
NT PSEUDOVIGNA ARGENTEA	
PSEUDOVIGNA ARGENTEA	A
UF DOLICHOS ARGENTEUS	
GLYCINE DENTATA	
VIGNA BENTHAMI	
BT PSEUDOVIGNA	

PSOPHOCARPUS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PSOPHOCARPUS PALUSTRIS
PSOPHOCARPUS TETRAGONOLOBUS

Psophocarpus longepedunculatus
USE PSOPHOCARPUS PALUSTRIS

PSOPHOCARPUS PALUSTRIS A
UF DOLICHOS SUFFULTUS
PSOPHOCARPUS LONGEPEDUNCULATUS
BT PSOPHOCARPUS

PSOPHOCARPUS TETRAGONOLOBUS A
BT PSOPHOCARPUS
RT GOA BEANS

PUBLIC HEALTH G
RT HUMAN HEALTH
PESTICIDE TOLERANCES

PUCCINIA ARACHIDIS E
UF GROUNDNUT RUST
PEANUT RUST
RUST (GROUNDNUT)
BT MYCOSES

PUERARIA A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT PUERARIA PHASEOLOIDES
PUERARIA THUNBERGIANA
RT KUDZUS

Pueraria hirsuta
USE PUERARIA THUNBERGIANA

Pueraria javanica
USE PUERARIA PHASEOLOIDES

Pueraria lobata
USE PUERARIA THUNBERGIANA

PUERARIA PHASEOLOIDES A
UF KUDZU (TROPICAL)
PUERARIA JAVANICA
PUERO
TROPICAL KUDZU
BT PUERARIA

PUERARIA THUNBERGIANA A
UF DOLICHOS JAPONICUS
KUDZU
PACHYRHIZUS TRILOBUS
PUERARIA HIRSUTA
PUERARIA LOBATA
PUERARIA TRILOBA
BT PUERARIA

Pueraria triloba		
USE	PUERARIA THUNBERGIANA	
Puero		
USE	PUERARIA PHASEOLOIDES	
Pulses		
USE	GRAIN LEGUMES	
PURINES		C
NT	ADENINE	
	GUANINE	
RT	NUCLEOTIDES	
PURITY ANALYSIS		D
BT	SEED QUALITY	
Purple seed stain		
USE	CERCOSPORA KIKUCHII	
PYRETHRINS		E
BT	INSECTICIDES	
PYRIMIDINES		C
NT	CYTOSINE	
	THYMINE	
RT	NUCLEOTIDES	
PYTHIUM APHANIDERMATUM		E
BT	MYCOSES	
PYTHIUM DEBARYANUM		E
BT	MYCOSES	
PYTHIUM ULTIMUM		E
BT	MYCOSES	

Qualities (flour)
USE FLOUR QUALITIES

Quality (baking)
USE BAKING QUALITY

Quality (cooking)
USE COOKING QUALITY

Quality (product)
USE PRODUCT QUALITY

Quality (protein)
USE PROTEIN QUALITY

Quality (seed)
USE SEED QUALITY

QUANTITATIVE INHERITANCE
UF INHERITANCE (POLYGENIC)
INHERITANCE (QUANTITATIVE)
POLYGENIC INHERITANCE
BT INHERITANCE

C

Quarantine (plant)
USE PLANT QUARANTINE

RABI SEASON	D
BT SEASONS	
RT SPRING	
RACES	E
SN Of pathogens	
RT DISEASES AND PATHOGENS	
Radiation (gamma)	
USE IRRADIATION	
Radiation (solar)	
USE SOLAR RADIATION	
RADICLE	B
BT EMBRYO	
RT ROOTS	
RADOPHOLUS SIMILIS	E
UF ANGUILLULINA BIFORMIS	
ANGUILLULINA SIMILIS	
ROTYLENCHUS SIMILIS	
TYLENCHUS BIFORMIS	
TYLENCHUS SIMILIS	
BT NEMATODES	
RAINFALL	D
NT RAINFALL PATTERNS	
RT WATER REQUIREMENTS	
RAINFALL PATTERNS	D
UF PATTERNS (RAINFALL)	
BT RAINFALL	
RT SEASONS	
Rainy season	
USE WET SEASON	
RAKES	D
BT CULTIVATION EQUIPMENT	
RT RAKING	
RAKING	D
UF SCARIFICATION (SOIL)	
SOIL SCARIFICATION	
BT TILLING	
RT HARROWING	
RAKES	
RANDOM MATING	C
UF MATING (UNCONTROLLED)	
BT BREEDING	
RT OPEN POLLINATION	

Range (host-plant)
USE HOST RANGE

Rat control
USE RODENT CONTROL

Rat poisons
USE RODENTICIDES

RATS E
BT RODENTS

Reaping
USE HARVESTING

Reaping hooks
USE SICKLES

REAPING KNIVES D
UF HARVESTING KNIVES
KNIVES (HARVESTING)
KNIVES (REAPING)
MACHETES
BT HARVESTING EQUIPMENT

RECIPROCAL CROSSING C
UF CROSSING (RECIPROCAL)
BT BREEDING

RECOMBINATION C
BT BREEDING

RECOMMENDED VARIETIES C
BT CULTIVARS

Red bean
USE RICE BEANS

Red dhal
USE LENTILS

Red gram
USE PIGEON PEAS

RED LIMA BEANS A
UF BEAN (RED LIMA)
LIMA BEAN (RED)
PHASEOLUS RUFUS
BT LIMA BEANS

Red spider mites
USE INJURIOUS MITES

Reduction division
USE MEIOSIS

Reduction of yield
USE YIELD LOSS

Refuse
USE WASTES

Regimes (feeding)
USE DIETARY PATTERNS

RELIGION
RT TABOOS

G

Reniform nematode
USE ROTYLENCHULUS RENIFORMIS

Reproduction (plant)
USE PLANT REPRODUCTION

RESEARCH
UF EXPERIMENTATION
NT DEVELOPMENTAL RESEARCH
FIELD EXPERIMENTS
LABORATORY EXPERIMENTS
RT EXPERIMENT DESIGN
EXPERIMENTAL TECHNIQUES

J

Research stations
USE INSTITUTIONS

Residues (pesticide)
USE PESTICIDE RESIDUES

Resistance (antibiotic)
USE ANTIBIOTIC RESISTANCE

Resistance (disease)
USE HOST-PLANT RESISTANCE

Resistance (drought)
USE HOST-PLANT RESISTANCE

Resistance (heat)
USE HOST-PLANT RESISTANCE

Resistance (of pathogens to pesticides)
USE PESTICIDE RESISTANCE

Resistance (of pests to pesticides)
USE PESTICIDE RESISTANCE

Resistance (of plants to insects)
USE HOST-PLANT RESISTANCE

Resistance (of plants to mites)
USE HOST-PLANT RESISTANCE

Resistance (of plants to nematodes)
USE HOST-PLANT RESISTANCE

Resistance (of plants to pests)
USE HOST-PLANT RESISTANCE

Resistance (of weeds to herbicides)
USE PESTICIDE RESISTANCE

Resistance (pesticide)
USE PESTICIDE RESISTANCE

Resistance (plant)
USE HOST-PLANT RESISTANCE

Resources (genetic)
USE GENETIC RESOURCES

Respiration (plant)
USE PLANT RESPIRATION

REVIEW ARTICLES

J

SN State-of-the-art reviews;
not book reviews
BT DOCUMENTATION

RHENANIAPHOSPHATE

D

BT PHOSPHATE FERTILIZERS

RHIZOBIA

D

UF BACTERIA (ROOT-NODULE)
RHIZOBIUM
ROOT-NODULE BACTERIA
BT SOIL FLORA
RT INFECTION
INOCULATION
NITROGEN FIXATION
NODULATION
PHAGES
RHIZOBIAL REACTIONS
SEROTYPING

RHIZOBIAL REACTIONS

NT ANTAGONISTS
ANTIBIOTIC RESISTANCE
RT PESTICIDE EFFECTS
RHIZOBIA

Rhizobium

USE RHIZOBIA

Rhizoctonia bataticola
USE MACROPHOMINA PHASEOLINA

RHIZOCTONIA SOLANI E
UF ROOT DECAY
STEM DECAY
BT MYCOSES

RHIZOPUS ARRHIZUS E
BT MYCOSES

RHIZOSPHERE B
RT ECOLOGY
ROOTS

Rhynchosia benguellensis
USE PSEUDEMIA BENGUELLENSIS

Rhynchosia comosa
USE PSEUDEMIA COMOSA

Rhynchosia mendoncae
USE PSEUDEMIA MENDONCAE

Rhynchosia muxiria
USE PSEUDEMIA MUXIRIA

Rhynchosia sphaerocephala
USE DOLICHOS SERICEUS SERICEUS

RIBOFLAVIN F
UF LACTOFLAVIN
VITAMIN B2
BT VITAMIN B

Ribonucleic acid
USE RNA

RIBOSE F
BT SUGARS
RT RNA

Ribosenucleic acid
USE RNA

RIBOSOMES C
BT CELL STRUCTURE
RT ENDOPLASMIC RETICULUM
PROTEINS
RNA

RICE D
BT CEREALS

RICE BEANS		A
UF	BEAN (JAPANESE RICE) BEAN (RED) BEAN (RICE) GHURUSH JAPANESE RICE BEAN RED BEAN SUTRI	
BT	TROPICAL GRAIN LEGUMES	
RT	TROPICAL FORAGE LEGUMES VIGNA UMBELLATA	
RIPENING		B
BT	DEVELOPMENTAL STAGES	
RNA		C
UF	RIBONUCLEIC ACID RIBOSENUCLEIC ACID	
BT	NUCLEIC ACIDS	
NT	MESSENGER RNA TRANSFER RNA	
RT	CHROMOSOMES RIBOSE RIBOSOMES	
RODENT CONTROL		E
UF	CONTROL (RAT) CONTROL (RODENT) RAT CONTROL	
BT	PEST CONTROL	
NT	RODENTICIDES	
RT	RODENTS	
RODENTICIDES		E
UF	POISONS (RAT) RAT POISONS	
BT	PESTICIDES RODENT CONTROL	
RODENTS		E
BT	NOXIOUS ANIMALS	
NT	MICE RATS	
RT	RODENT CONTROL	
Rogor		
USE	DIMETHOATE	
ROGUING		C
RT	SELECTION EVALUATION PHYSICAL METHODS	
Ronnel		
USE	FENCHLORPHOS	

Root decay
USE RHIZOCTONIA SOLANI

ROOT HAIRS B
UF HAIRS (ROOT)
BT ROOTS

Root-knot
USE ROOT-KNOT NEMATODES

ROOT-KNOT NEMATODES E
UF NEMATODES (ROOT-KNOT)
ROOT-KNOT
BT NEMATODES
NT MELOIDOGYNE

ROOT LEGUMES A
BT LEGUMES
NT AFRICAN YAM BEANS
YAM BEANS

Root nodulation
USE NODULATION

Root-nodule bacteria
USE RHIZOBIA

Root rot (pea)
USE APHANOMYCES EUTEICHES

Root rot (soybean)
USE PHYTOPHTHORA MEGASPERMA SOJAE

ROOTING B
BT DEVELOPMENT STAGES
RT ROOTS

ROOTS B
BT PLANT ANATOMY
NT ROOT HAIRS
TUBERS
RT NODULATION
PLANT VASCULAR SYSTEM
RADICLE
RHIZOSPHERE
ROOTING

ROSE CLOVER	A
UF CLOVER (ROSE)	
BT CLOVERS	
RT TRIFOLIUM HIRTUM	
ROTATIONAL CROPPING	D
BT CULTIVATION SYSTEMS	
RT ROTATIONAL CROPS	
ROTATIONAL CROPS	D
RT CEREALS	
ROTATIONAL CROPPING	
COTTON	
ROTENONE	E
BT INSECTICIDES	
ROTYLENCHULUS RENIFORMIS	E
UF RENIFORM NEMATODE	
ROTYLENCHUS RENIFORMIS	
BT NEMATODES	
Rotylenchus bradys	
USE SCUTELLONEMA BRADYS	
Rotylenchus reniformis	
USE ROTYLENCHULUS RENIFORMIS	
Rotylenchus similis	
USE RADOPHOLUS SIMILIS	
Row distance	
USE SPACING	
Rudua aurea	
USE VIGNA RADIATA	
RUN-OFF	D
BT WATER MANAGEMENT	
RT EROSION	
RUNNER BEANS	A
UF BEAN (CLIMBING)	
BEAN (RUNNER)	
CLIMBING BEAN	
HARICOT A RAMES	
BT KIDNEY BEANS	
RT SCARLET RUNNER BEANS	
Rust (groundnut)	
USE PUCCINIA ARACHIDIS	
Rust (soybean)	
USE PHAKOPSORA PACHYRHIZI	

S

USE SULPHUR

Saba bean

USE SIEVA BEANS

Saccharase

USE SUCRASE

SALINITY

RT SOIL REACTIONS

D

SANDS

BT SOILS

D

SARAWAK BEANS

UF BEAN (SARAWAK)

BT TROPICAL GRAIN LEGUMES

RT VIGNA HOSEI

A

SATURATED FATTY ACIDS

UF FATTY ACIDS (SATURATED)

BT FATTY ACIDS

NT ARACHIDIC ACID

BEHENIC ACID

LAURIC ACID

LIGNOCERIC ACID

MYRISTIC ACID

PALMITIC ACID

STEARIC ACID

F

SAUCES

BT CONDIMENTS

NT GRAVY MIXES

SOY SAUCES

G

Saw-toothed grain beetle

USE ORYZAEPHILUS SURINAMENSIS

Sayfos

USE MENAZON

SBMV

USE BEAN SOUTHERN MOSAIC VIRUS

Scale insects

USE HOMOPTERA

Scarification (soil)

USE RAKING

SCARLET RUNNER BEANS A
UF BEAN (SCARLET RUNNER)
HARICOT D'ESPAGNE
BT TROPICAL GRAIN LEGUMES
RT PHASEOLUS COCCINEUS
RUNNER BEANS

Scented trefoil
USE MELILOTUS INDICA

SCHIZONYCHA SPP E
BT COLEOPTERA

SCHRADAN E
UF OMPA
SYTAM
BT ACARICIDES
INSECTICIDES

Sclerotium rolfsii
USE CORTICIUM ROLFSII

Screening
SN In the sense of sifting
USE SIEVING

Screening methods
USE EVALUATION

SCUTELLONEMA BRADYS E
UF ANGUILLULINA BRADYS
HOPLOLAIMUS BRADYS
ROTYLENCHUS BRADYS
BT NEMATODES

SCUTELLONEMA CLATHRICAUDATUM E
BT NEMATODES

Scytalis hispida
USE VIGNA UNGUICULATA PROTRACTA

Scytalis protracta
USE VIGNA UNGUICULATA PROTRACTA

Scytalis tenuis ovata
USE VIGNA TENUIS

SCYTHES D
BT HARVESTING EQUIPMENT

SDV
USE SOYBEAN DWARF VIRUS

SEASONAL DEVELOPMENT D
UF DEVELOPMENT (SEASONAL)
BT AGRONOMIC CHARACTERS
RT PLANT DEVELOPMENT

SEASONS D
UF GROWING SEASONS
NT AUTUMN
DRY SEASON
KHARIF SEASON
RABI SEASON
SPRING
SUMMER
WET SEASON
WINTER
RT RAINFALL PATTERNS

SECONDARY CROPPING D
BT CULTIVATION SYSTEMS
RT SECONDARY CROPS

SECONDARY CROPS D
UF CROPS (SECONDARY)
RT SECONDARY CROPPING

SEED D
BT PROPAGATION MATERIALS
NT CERTIFIED SEED
SEED CHARACTERS
RT BREEDING
SEED-BORNE DISEASES
SEED TRANSMISSION
SEEDS
SOWING

Seed bed
USE SEEDBED

SEED-BORNE DISEASES E
UF DISEASES (SEED-BORNE)
RT SEED
SEED TRANSMISSION

SEED CHARACTERS D
UF CHARACTERS (SEED)
BT SEED
NT SEED COLOUR
SEED QUALITY
SEED SHAPE
SEED SIZE
SEED VIABILITY

Seed coat
USE TESTA

SEED COLOUR D
UF COLOUR (SEED)
BT SEED CHARACTERS

SEED CROPS D
RT MULTIPLICATION

Seed decay (soybean bacterial)
USE SOYBEAN BACTERIAL SEED DECAY

Seed dressing
USE SEED TREATMENT

SEED DRILLS D
UF DRILLS (SEED)
PLANTERS (SEED)
SEED PLANTERS
BT SOWING EQUIPMENT

Seed-germ
USE EMBRYO

Seed-leaves
USE COTYLEDONS

Seed pelleting
USE PELLETING

Seed planters
USE SEED DRILLS

SEED QUALITY D
UF QUALITY (SEED)
BT SEED CHARACTERS
NT GERMINATION TESTS
MOISTURE TESTS
PURITY ANALYSIS
RT GERMINABILITY

SEED SHAPE D
UF SHAPE (SEED)
BT SEED CHARACTERS

SEED SIZE D
UF SIZE (SEED)
BT SEED CHARACTERS

Seed stain (purple)
USE CERCOSPORA KIKUCHII

Seed stalks
USE FUNICLES

SEED STORAGE		F
UF	STORAGE (SEED)	
BT	STORAGE	
RT	SEED VIABILITY	
SEED TRANSMISSION		E
BT	DISEASE TRANSMISSION	
RT	SEED SEED-BORNE DISEASES	
SEED TREATMENT		E
UF	DRESSING (SEED) SEED DRESSING	
BT	PEST CONTROL METHODS	
RT	PELLETING	
SEED VIABILITY		D
UF	VIABILITY (SEED)	
BT	SEED CHARACTERS	
RT	GERMINATION TESTS SEED STORAGE	
SEED WEIGHT		H
UF	WEIGHT (SEED)	
BT	GRAIN YIELD	
Seed yield		
USE	GRAIN YIELD	
SEEDBED		D
UF	SEED BED	
RT	TILTH	
Seeders (broadcast)		
USE	BROADCAST SEEDERS	
Seeding		
USE	SOWING	
SEEDING RATES		D
BT	SOWING	
Seedling blight (soybean)		
USE	SOYBEAN SEEDLING BLIGHT	
SEEDLING DISEASES		E
RT	DISEASES AND PATHOGENS SEEDLINGS	
Seedling emergence		
USE	EMERGENCE	

SEEDLINGS		B
BT	DEVELOPMENT STAGES	
NT	EPICOTYL HYPOCOTYL	
RT	COTYLEDONS EMBRYO EMERGENCE SEEDLING DISEASES	
SEEDS		B
BT	PLANT ANATOMY	
NT	CARUNCLE EMBRYO ENDOSPERM HILUM TESTA	
RT	FRUITS FUNICLE GERMINATION SEED	
SEGRETATION		C
BT	BREEDING	
SELECTION		C
UF	BULK PEDIGREEING PEDIGREEING	
BT	BREEDING	
RT	EVALUATION ROGUING	
Selections		
USE	CULTIVARS	
SELF-FERTILISATION		B
BT	FERTILISATION	
RT	SELFS	
SELF-FERTILITY		C
BT	PLANT FERTILITY	
RT	SELF-POLLINATION	
SELF-POLLINATION		B
BT	POLLINATION	
RT	SELF-FERTILITY SELFING	
SELFING		C
BT	BREEDING	
RT	INBREEDING SELF-POLLINATION SELFS	

SELFS			C
RT	SELF-FERTILISATION		
	SELFING		
Selling			
USE	MARKETING		
SEMI-ERECT HABIT			D
BT	PLANT HABIT		
SEMI-PROSTRATE HABIT			D
BT	PLANT HABIT		
Senji			
USE	MELILOTUS INDICA		
SEPALS			B
BT	FLOWERS		
RT	CALYX		
SEPTORIA GLYCINES			E
UF	ANGULAR SPOT (SOYBEAN)		
	SOYBEAN ANGULAR SPOT		
BT	MYCOSES		
SEQUENCE			D
RT	PROTANDRY		
	PROTOGYNY		
	TIMING		
Sericea lespedeza			
USE	LESPEDEZA CUNEATA		
SERICOTHRIPS VARIABILIS			E
UF	SOYBEAN THRIPS		
BT	THYSANOPTERA		
SERINE			F
BT	AMINO ACIDS		
SEROTYPING			D
RT	RHIZOBIA		
Sevin			
USE	CARBARYL		
Sewee bean (Carolina)			
USE	SIEVA BEANS		
SHADE			D
UF	SHADING		
RT	LIGHT		

Shading		
USE	SHADE	
Shaftal		
USE	PERSIAN CLOVER	
SHATTERING		D
UF	POD SHATTERING	
BT	POD CHARACTERS	
SHEEP		G
BT	DOMESTIC ANIMALS	
NT	LAMBS	
Shelling		
USE	THRESHING	
Shells		
USE	HULLS	
SHIFTING	CULTIVATION	D
UF	SWIDDEN CULTIVATION	
BT	CULTIVATION SYSTEMS	
RT	CLEARING	
SHOOTS		B
RT	BUDS STEMS	
SICKLES		D
UF	HOOKS (REAPING) REAPING HOOKS	
BT	HARVESTING EQUIPMENT	
SIEVA BEANS		A
UF	BEAN (CAROLINA) BEAN (CAROLINA SEWEE) BEAN (SABA) BEAN (SIEVA) CAROLINA BEAN CAROLINA SEWEE BEAN SABA BEAN SEWEE BEAN (CAROLINA)	
BT	LIMA BEANS	
SIEVE-TUBES		B
BT	PHLOEM	
SIEVING		F
UF	SCREENING BOLTING SIFTING	
BT	PROCESSING	

Sifting			
USE	SIEVING		
SILAGE			G
UF	ENSILAGE		
BT	FEEDS AND FEEDING		
RT	FODDERS		
SILOS			F
UF	GRAIN SILOS		
BT	STORAGE STRUCTURES		
SILTS			D
BT	SOILS		
Silvex			
USE	FENOPROP		
SIMAZINE			E
UF	GESATOP		
	PRIMATOL S		
BT	HERBICIDES		
Simulated fish products			
USE	FISH SIMULANTS		
Simulated meat products			
USE	MEAT SIMULANTS		
SINODOLICHOS			A
BT	LEGUMINOSAE-PAPILIONOIDEAE		
NT	SINODOLICHOS LAGOPUS		
	SINODOLICHOS OXYPHYLLUS		
SINODOLICHOS LAGOPUS			A
UF	DOLICHOS LAGOPUS		
BT	SINODOLICHOS		
SINODOLICHOS OXYPHYLLUS			A
UF	GALACTIA OXYPHYLLA		
	TERAMNUS OXYPHYLLUS		
BT	SINODOLICHOS		
Sitao			
USE	COWPEAS		
Sitao pole			
USE	ASPARAGUS BEANS		
SITOTROGA CEREALELLA			E
UF	ANGOUMOIS GRAIN MOTH		
BT	LEPIDOPTERA		
RT	STORED PRODUCTS PESTS		

Size (seed)

USE SEED SIZE

Skeps

USE BEEHIVES

Skin processing

USE LEATHER PROCESSING

SKINLESS KIDNEY BEANS

UF BEAN (SKINLESS KIDNEY)
HARICOT MANGETOUT

BT KIDNEY BEAN (SKINLESS)
KIDNEY BEANS

A

SMV

USE SOYBEAN MOSAIC VIRUS

Snail-flower

USE VIGNA CARACALLA

Snake bean

USE ASPARAGUS BEANS

Snap bean

USE FRENCH BEANS

SOCIAL ASPECTS

NT CONSUMER PREFERENCES
TRADITIONS

RT HOME ECONOMICS
USES

G

SODIUM

UF NA
BT MINERALS AND NUTRIENTS
RT SODIUM NITRATE

D

SODIUM NITRATE

UF CHILE SALTPETRE
CHILEAN NITRATE
BT NITRATE FERTILIZERS
RT SODIUM

D

Soil animals

USE SOIL FAUNA

SOIL-BORNE DISEASES

UF DISEASES (SOIL-BORNE)
RT SOIL TRANSMISSION

E

SOIL CHEMISTRY

RT SOIL REACTIONS
SOILS

D

Soil erosion
USE EROSION

SOIL FAUNA

D

UF FAUNA (SOIL)
SOIL ANIMALS
BT SOIL MICROBIOLOGY
RT ECOLOGY
SOIL POPULATIONS

SOIL FERTILITY

D

UF FERTILITY (SOIL)
BT SOIL REQUIREMENTS
NT COMPOSTING
GREEN MANURING
SOIL IMPROVERISHMENT
RT FALLOWING
NUTRITIONAL REQUIREMENTS
SOIL MICROBIOLOGY

SOIL FLORA

D

UF FLORA (SOIL)
BT SOIL MICROBIOLOGY
NT ESCHERICHIA COLI
KLEBSIELLA
RHIZOBIA
RT ECOLOGY
SOIL POPULATIONS

SOIL IMPOVERISHMENT

D

UF IMPOVERISHMENT (SOIL)
BT SOIL FERTILITY

SOIL MICROBIOLOGY

D

UF MICROBIOLOGY (SOIL)
BT SOIL REQUIREMENTS
NT SOIL FAUNA
SOIL FLORA
RT SOIL FERTILITY
SOIL TRANSMISSION

SOIL NITROGEN

D

BT NITROGEN

SOIL POPULATIONS

D

RT SOIL FAUNA
SOIL FLORAL

SOIL POROSITY

D

UF POROSITY (SOIL)
BT SOIL REQUIREMENTS

SOIL REACTIONS D
BT SOIL REQUIREMENTS
RT HYDROGEN-ION CONCENTRATION
SALINITY
SOIL CHEMISTRY

SOIL REQUIREMENTS D
UF EDAPHIC REQUIREMENTS
BT CULTIVATION
NT DRAINAGE
SOIL FERTILITY
SOIL MICROBIOLOGY
SOIL POROSITY
SOIL REACTIONS
RT ECOLOGY
ENVIRONMENTAL EFFECTS
PEDOCLIMATIC FACTORS
SOIL TEMPERATURE
SOILS
WATER REQUIREMENTS

Soil scarification
USE RAKING

SOIL TEMPERATURE D
UF TEMPERATURE (SOIL)
BT TEMPERATURE
RT SOIL REQUIREMENTS

SOIL TRANSMISSION E
BT DISEASE TRANSMISSION
RT SOIL-BORNE DISEASES
SOIL MICROBIOLOGY

SOIL TREATMENT E
BT PEST CONTROL METHODS

SOILS D
NT CLAYS
LOAMS
ORGANIC MATTER
SANDS
SILTS
RT SOIL CHEMISTRY
SOIL REQUIREMENTS

Soja
USE SOYBEANS

Soja bean
USE SOYBEANS

Soja hispida
USE GLYCINE MAX

Soja max
USE GLYCINE MAX

Soja virus 1
USE SOYBEAN MOSAIC VIRUS

Solar energy
USE LIGHT ENERGY

SOLAR RADIATION
UF RADIATION (SOLAR)
SUNLIGHT
RT LIGHT ENERGY

D

Soldier bug (spined)
USE PODISUS MACULIVENTRIS

Sole crop
USE MONOCULTURE

SOLUBLE CARBOHYDRATES
UF CARBOHYDRATES (SOLUBLE)
BT CARBOHYDRATE CONTENT
NT SUGARS

F

Solvent removal
USE DESOLVENTIZING

SORGHUMS
BT CEREALS

D

SOUPS
BT FOOD PRODUCTS

G

Sour clover
USE MELILOTUS INDICA

Southern bean mosaic virus 1
USE BEAN SOUTHERN MOSAIC VIRUS

Southern corn rootworm
USE DIABROTICA UNDECIMPUNCTATA HOWARDI

Southern green stink bug
USE NEZARA VIRIDULA

Southern pea
USE COWPEAS

Southern sann-hemp mosaic
USE CROTALARIA MOSAIC VIRUS

Southernpea
USE COWPEAS

SOWING D
UF PLANTING (SEED)
SEEDING
BT CULTIVATION
NT SEEDING RATES
SOWING DEPTH
RT PROPAGATION
SEED
SEEDBED
SOWING EQUIPMENT
SPACING

SOWING DEPTH D
UF DEPTH (SOWING)
BT SOWING

Sowing distance
USE SPACING

SOWING EQUIPMENT D
BT CULTIVATION EQUIPMENT
NT BROADCAST SEEDERS
SEED DRILLS
RT SOWING

Soy bean
USE SOYBEANS

Soy milk
USE SOYMILK

SOY SAUCE G
BT SAUCES

Soya
USE SOYBEANS

Soya bean
USE SOYBEANS

Soyabean
USE SOYBEANS

Soybean (wild)
USE GLYCINE SOJA

Soybean angular spot
USE SEPTORIA GLYCINES

Soybean anthracnose
USE COLLETOTRICHUM TRUNCATUM

Soybean bacterial blight
USE PSEUDOMONAS GLYCINEA

Soybean bacterial leaf spot
USE XANTHOMONAS PHASEOLI SOJENSE

SOYBEAN BACTERIAL SEED DECAY E
UF BACTERIAL SEED DECAY (SOYBEAN)
SEED DECAY (SOYBEAN BACTERIAL)
BT BACTERIOSES
RT BACILLUS SPP

Soybean chlorosis
USE SOYBEAN MOSAIC VIRUS

Soybean crinkling
USE SOYBEAN MOSAIC VIRUS

Soybean cyst nematode
USE HETERODERA GLYCINES

SOYBEAN DWARF VIRUS E
UF SDV
BT VIROSES
RT BEAN LEAF ROLL VIRUS

Soybean leaf curl virus
USE SOYBEAN MOSAIC VIRUS

Soybean milk
USE SOYMILK

SOYBEAN MOSAIC VIRUS E
UF SMV
SOJA VIRUS 1
SOYBEAN CHLOROSIS
SOYBEAN CRINKLING
SOYBEAN LEAF CURL VIRUS
SOYBEAN VIRUS 1
BT VIROSES
RT BEAN COMMON MOSAIC VIRUS
BEAN YELLOW MOSAIC VIRUS

SOYBEAN POD AND STEM BLIGHT E
UF POD AND STEM BLIGHT (SOYBEAN)
STEM BLIGHT (SOYBEAN)
RT DIAPORTHE PHASEOLORUM SOJAE
PHOMOPSIS SOJAE

Soybean pod borer
USE LASPEYRESIA GLYCINIVORELLA

SOYBEAN POD MOTTLE VIRUS E
BT VIROSES

Soybean root rot
USE PHYTOPHTHORA MEGASPERMA SOJAE

Soybean rust
USE PHAKOPSORA PACHYRHIZI

SOYBEAN SEEDLING BLIGHT E
UF SEEDLING BLIGHT (SOYBEAN)
BT BACTERIOSES
RT BACILLUS SPP

SOYBEAN STUNT VIRUS E
BT VIROSES

Soybean thrips
USE SERICOTHRIPS VARIABILIS

Soybean virus 1
USE SOYBEAN MOSAIC VIRUS

SOYBEAN WITCHES BROOM VIRUS E
BT VIROSES

Soybean yellow mosaic
USE BEAN YELLOW MOSAIC VIRUS

SOYBEAN YELLOW STIPPLE VIRUS E
BT VIROSES

SOYBEANS A
UF BEAN (SOJA)
BEAN (SOY)
BEAN (SOYA)
SOJA
SOJA BEAN
SOY BEAN
SOYA
SOYA BEAN
SOYABEAN
BT OIL-SEED LEGUMES
RT GLYCINE MAX
TROPICAL GRAIN LEGUMES

SOYMILK			G
UF	MILK (SOY)		
	SOY MILK		
	SOYBEAN MILK		
BT	FOOD PRODUCTS		
RT	BEVERAGES		
	DAIRY FOODS		
	INFANT FOODS		
SPACING			D
UF	DENSITY (PLANTING)		
	DISTANCE		
	PLANTING DENSITY		
	PLANTING DISTANCE		
	ROW DISTANCE		
	SOWING DISTANCE		
BT	CULTIVATION		
RT	PLANT POPULATIONS		
	SOWING		
SPADES			D
BT	CULTIVATION EQUIPMENT		
RT	PLOUGHING		
Spaghetti			
USE	PASTA		
Spanish clover			
USE	DESMODIUM UNCINATUM		
SPANISH GROUNDNUTS			A
UF	GROUNDNUTS (SPANISH)		
BT	GROUNDNUTS		
SPATHIONEMA			A
BT	LEGUMINOSAE-FAPILIONOIDEAE		
NT	SPATHIONEMA KILIMANDSCHARICUM		
SPATHIONEMA KILIMANDSCHARICUM			A
UF	VIGNA MACRANTHA		
BT	SPATHIONEMA		
SPECIES			C
NT	SUB-SPECIES		
RT	CULTIVARS		
SPECKLED LIMA BEANS			A
UF	BEAN (SPECKLED LIMA)		
	LIMA BEAN (SPECKLED)		
BT	LIMA BEANS		

Spergon
USE CHLORANIL

SPHENOSTYLIS A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT SPHENOSTYLIS BRIARTII
SPHENOSTYLIS SCHWEINFURTHII
SPHENOSTYLIS STENOCARPA
RT AFRICAN YAM BEANS

SPHENOSTYLIS BRIARTII A
BT SPHENOSTYLIS

SPHENOSTYLIS SCHWEINFURTHII A
BT SPHENOSTYLIS

SPHENOSTYLIS STENOCARPA A
BT SPHENOSTYLIS

Spider mites
USE INJURIOUS MITES

Spined soldier bug
USE PODISUS MACULIVENTRIS

SPODOPTERA EXIGUA E
UF LAPHYGMA EXIGUA
LESSER ARMYWORM
BT LEPIDOPTERA

SPODOPTERA LITTORALIS E
UF COTTON LEAFWORM
PRODENIA LITURA AUCTT
BT LEPIDOPTERA

Spoilage
USE DETERIORATION

Spotted cowpea bruchid
USE CALLOSOBRUCHUS MACULATUS

Spotted cucumber beetle
USE DIABROTICA UNDECIMPUNCTATA HOWARDI

SPRAYING E
BT PEST CONTROL METHODS

SPRING D
BT SEASONS
RT RABI SEASON

Spring vetch
USE COMMON VETCH

SPUN PROTEIN FIBRES F
UF FIBERS (SPUN PROTEIN)
FIBRES (SPUN PROTEIN)
PROTEIN FIBRES (SPUN)
BT PROCESSED PRODUCTS

Stabilization
USE PRICE STABILIZATION

Stalks (leaf)
USE PETIOLES

Stalks
USE FUNICLES

STAMENS B
BT FLOWERS
NT ANTHERS
FILAMENTS

STANDARDS B
SN The large posterior petal
UF VEXILLUM
BT PETALS

Standards of identity
USE PESTICIDE TOLERANCES

STARCH CONTENT F
BT CARBOHYDRATE CONTENT

STARCH CROPS A
RT SPHENOSTYLIS
YAM BEANS

STEARIC ACID F
UF OCTADECANOIC ACID
BT SATURATED FATTY ACIDS

STELE B
BT PLANT TISSUES
NT CORTEX
PITH
RT VASCULAR TISSUES

Stem anthracnose (cowpea)
USE COLLETOTRICHUM LINDEMUTHIANUM

Stem blight (soybean)
USE SOYBEAN POD AND STEM BLIGHT

Stem decay
USE RHIZOCTONIA SOLANI

Stem rot (brown)
USE CEPHALOSPORIUM GREGATUM

Stem rot (cowpea wet)
USE COWPEA WET STEM ROT

STEMS B
BT PLANT ANATOMY
NT INTERNODES
RT BRANCHING
CUTTINGS
EPICOTYL
HYPOCOTYL
PLANT VASCULAR SYSTEM
SHOOTS
WASTES

STERILITY C
SN In plants
NT GENERATIONAL STERILITY
MORPHOLOGICAL STERILITY
RT PLANT FERTILITY

Sterility (interspecific)
USE INTERSPECIFIC STERILITY

Sterility (male)
USE MALE STERILITY

STIGMA B
BT GYNOECIUM
RT POLLINATION
PROTANDRY
PROTOGYNY

STIPULES B
BT LEAVES

Stizolobium
USE MUCUNA

Stizolobium aterrimum
USE MUCUNA ATERRIMA

Stizolobium cochinchinensis
USE MUCUNA NIVEA

Stizolobium deeringianum
USE MUCUNA DEERINGIANA

Stizolobium hassjoo
USE MUCUNA HASSJOO

Stizolobium niveum
USE MUCUNA NIVEA

STOMATA
BT LEAVES
RT EPIDERMIS

B

Stone groundnut
USE BAMBARRA GROUNDNUTS

Storability
USE DETERIORATION

STORAGE
UF BULK STORAGE
STORED PRODUCTS
NT GRAIN STORAGE
HOUSEHOLD STORAGE
SEED STORAGE
RT DETERIORATION
DISTRIBUTION
STORAGE CONDITIONS
STORAGE STRUCTURES

F

Storage (grain)
USE GRAIN STORAGE

Storage (home)
USE HOUSEHOLD STORAGE

Storage (seed)
USE SEED STORAGE

STORAGE BINS
UF BINS (STORAGE)
BT STORAGE STRUCTURES

F

STORAGE CONDITIONS
NT STORAGE RELATIVE HUMIDITY
STORAGE TEMPERATURE

F

STORAGE RELATIVE HUMIDITY
UF RELATIVE HUMIDITY (STORAGE)
BT STORAGE CONDITIONS
RT DRYING
MOISTURE EFFECTS

F

Storage rooms.
USE STOREROOMS

STORAGE STRUCTURES		F
NT	SILOS	
	STORAGE BINS	
	STOREROOMS	
RT	AERATION	
	DRYING	
	STORAGE	
STORAGE TEMPERATURE		F
UF	TEMPERATURE (STORAGE)	
BT	STORAGE CONDITIONS	
RT	TEMPERATURE	
Stored products		
USE	STORAGE	
STORED PRODUCTS PESTS		E
UF	PESTS OF STORED PRODUCTS	
	PRODUCTS (PESTS OF STORED)	
RT	NOXIOUS ANIMALS	
	ACANTHOSCELIDES OBTECTUS	
	CALLOSOBRUCHUS CHINENSIS	
	CALLOSOBRUCHUS MACULATUS	
	ORYZAEPHILUS MERCATOR	
	ORYZAEPHILUS SURINAMENSIS	
	SITOTROGA CEREALELLA	
	TRIBOLIUM CASTANEUM	
STOREROOMS		F
UF	STORAGE ROOMS	
BT	STORAGE STRUCTURES	
STRAW MULCHES		D
UF	MULCHES (STRAW)	
BT	MULCHES	
Strawberry clover (annual)		
USE	PERSIAN CLOVER	
STRESS FACTORS		D
NT	HYDROGEN-ION CONCENTRATION.	
	WATER STRESS	
String bean		
USE	FRENCH BEANS	
Striped blister beetle		
USE	EPICAUTA ALBOVITTATA	

Striped sweet-potato weevil		
USE	ALCIDODES DENTIPES	
STROMA		C
BT	CHLOROPLASTS	
STYLE		B
BT	GYNOECIUM	
Stylo		
USE	BRAZILIAN LUCERNE	
STYLO LUCERNES		A
UF	LUCERNES (STYLO)	
BT	TROPICAL FORAGE LEGUMES	
NT	BRAZILIAN LUCERNE	
	TOWNSVILLE LUCERNE	
RT	STYLOSANTHES	
STYLOSANTHES		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	STYLOSANTHES BOJERI	
	STYLOSANTHES ERECTA	
	STYLOSANTHES GRACILIS	
	STYLOSANTHES HAMATA	
	STYLOSANTHES MUCRONOTA	
	STYLOSANTHES PROCUMBENS	
	STYLOSANTHES SUNDAICA	
RT	STYLO LUCERNES	
STYLOSANTHES BOJERI		A
BT	STYLOSANTHES	
STYLOSANTHES ERECTA		A
BT	STYLOSANTHES	
STYLOSANTHES GRACILIS		A
UF	STYLOSANTHES GUIANENSIS	
	STYLOSANTHES SURINAMENSIS	
BT	STYLOSANTHES	
RT	BRAZILIAN LUCERNE	
Stylosanthes guianensis		
USE	STYLOSANTHES GRACILIS	
STYLOSANTHES HAMATA		A
BT	STYLOSANTHES	
STYLOSANTHES MUCRONOTA		A
BT	STYLOSANTHES	
STYLOSANTHES PROCUMBENS		A
BT	STYLOSANTHES	

STYLOSANTHES SUNDAICA	A
BT STYLOSANTHES	
RT TOWNSVILLE LUCERNE	
Stylosanthes surinamensis	
USE STYLOSANTHES GRACILIS	
SUB-SPECIES	C
BT SPECIES	
SUBSIDIES	H
RT PRICING POLICIES	
SUCRASE	B
UF INVERTASE	
SACCHARASE	
BT ENZYMES	
RT SUCROSE	
SUCROSE	F
UF CANE SUGAR	
SUGAR (CANE)	
BT SUGARS	
RT FRUCTOSE	
GLUCOSE	
SUCRASE	
Sugars (cane)	
USE SUCROSE	
SUGARS	F
BT SOLUBLE CARBOHYDRATES	
NT DEOXYRIBOSE	
HEXOSE SUGARS	
MALTOSE	
RIBOSE	
SUCROSE	
RT NUCLEOTIDES	
Sulfur	
USE SULPHUR	
Sulphate of ammonia	
USE AMMONIUM SULPHATE	
Sulphate of potash	
USE POTASSIUM SULPHATE	
SULPHATE OF POTASH-MAGNESIA	D
UF PATENTKALI	
BT POTASSIUM FERTILIZERS	
RT MAGNESIUM	
SULPHUR	

SULPHUR D
UF S
SULFUR
BT MINERALS AND NUTRIENTS
RT AMINO ACIDS
AMMONIUM SULPHATE
AMMONIUM SULPHATE NITRATE
POTASSIUM SULPHATE
SULPHATE OF POTASH-MAGNESIA

SUMMER D
BT SEASONS

Sunlight
USE SOLAR RADIATION

SUPERGENES C
RT GENES

SUPERPHOSPHATE D
BT PHOSPHATE FERTILIZERS
NT CALCIUM SUPERPHOSPHATE
DOUBLE SUPERPHOSPHATE
TRIPLE SUPERPHOSPHATE

Superphosphate of lime
USE CALCIUM SUPERPHOSPHATE

Supplements (feed)
USE FEED SUPPLEMENTS

Susceptibility
SEE RESISTANCE entries

Sutri
USE RICE BEANS

Sweet biscuits
USE BISCUITS

Sweet clovers
USE SWEETCLOVERS

Sweetclover (yellow annual)
USE MELILOTUS INDICA

SWEETCLOVER VIRUS E
UF CLOVER (SWEET) VIRUS
BT PEA STREAK VIRUS

SWEETCLOVERS A
UF CLOVERS (SWEET)
SWEET CLOVERS
BT TROPICAL FORAGE LEGUMES
RT MELILOTUS

Sweetpotato whitefly
USE BEMISIA TABACI

Swidden cultivation
USE SHIFTING CULTIVATION

SWINE G
UF HOGS
PIGS
BT DOMESTIC ANIMALS
NT PIGLETS

SWORD BEANS A
SN Often confused with JACK BEANS; if in
doubt, index as CANAVALIA
UF BEAN (SWORD)
BT TROPICAL GRAIN LEGUMES
RT CANAVALIA GLADIATA

SYLEPTA DEROGATA E
UF COTTON LEAF-ROLLER
BT LEPIDOPTERA

SYMBIOSIS B
BT ECOLOGY
NT NODULATION

SYNTHETIC AUXINS E
UF AUXINS (SYNTHETIC)
BT HERBICIDES
RT AUXINS

SYSTATES SPP E
BT COLEOPTERA

Systematics (plant)
USE TAXONOMY

SYSTEMIC PESTICIDES E
BT PESTICIDES
RT TRANSLOCATION

Systox
USE DEMETON-0

Sytam
USE SCHRADAN

2,4,5-T		E
UF	2,4,5-TRICHLOROPHENOXYACETIC ACID	
BT	HERBICIDES	
TABOCS		G
UF	FOODS (FORBIDDEN)	
	FORBIDDEN FOODS	
RT	CONSUMER PREFERENCES	
	RELIGION	
TAENIOTHRIPS SJOSTEDTI		E
UF	BEAN FLOWER THRIPS	
BT	THYSANOPTERA	
Tall tick clover		
USE	DESMODIUM TORTUOSUM	
TANGIER PEAS		A
UF	PEA (TANGIER)	
BT	TROPICAL FORAGE LEGUMES	
RT	LATHYRUS TINGITANUS	
TAPIOCA FLOUR		G
UF	CASSAVA FLOUR	
	FLOUR (CASSAVA)	
	FLOUR (TAPIOCA)	
BT	FLOURS	
RT	MYSORE FLOUR	
Tares		
USE	COMMON VETCH	
Target spot (Corynespora)		
USE	CORYNESPORA CASSIICOLA	
Tarnished plant bug		
USE	LYGUS LINEOLARIS	
Taste		
USE	PALATABILITY	
TAXONOMY		A
UF	CLASSIFICATION (PLANT)	
	PLANT CLASSIFICATION	
	PLANT SYSTEMATICS	
	SYSTEMATICS (PLANT)	
NT	CHEMOTAXONOMY	
	NUMERICAL TAXONOMY	
RT	IDENTIFICATION	
	NOMENCLATURE	

Taxonomy (numerical)
USE NUMERICAL TAXONOMY

TCA E
UF TRICHLOROACETIC ACID
BT HERBICIDES

Techniques (experimental)
USE EXPERIMENTAL TECHNIQUES

TEMPERATURE D
UF HEAT
BT CLIMATIC REQUIREMENTS
NT AIR TEMPERATURE
SOIL TEMPERATURE
RT HOST-PLANT RESISTANCE
STORAGE TEMPERATURE

Temperature (air)
USE AIR TEMPERATURE

Temperature (soil)
USE SOIL TEMPERATURE

Temperature (storage)
USE STORAGE TEMPERATURE

TEMPERATURE EFFECTS D
BT ENVIRONMENTAL EFFECTS

Temperature resistance
USE HOST-PLANT RESISTANCE

TEPARY BEANS A
UF BEAN (TEPARY)
BEAN (TEXAS)
TEXAS BEAN
BT TROPICAL GRAIN LEGUMES
RT PHASEOLUS ACUTIFOLIUS

Tephrosia sericea
USE DOLICHOS KILIMANDSCHARICUS

TEPP E
UF BLADAN
TETRAETHYL PYROPHOSPHATE
VAPOTONE
BT ACARICIDES
INSECTICIDES

TERAMNUS		A
BT	LEGUMINOSAE-PAPILIONOIDEAE	
NT	TERAMNUS LABIALIS	
	TERAMNUS REPENS	
	TERAMNUS UNCINATUS	
RT	TROPICAL FORAGE LEGUMES	
TERAMNUS LABIALIS		A
BT	TERAMNUS	
Teramnus oxyphyllus		
USE	SINODOLICHOS OXYPHYLLUS	
TERAMNUS REPENS		A
BT	TERAMNUS	
TERAMNUS UNCINATUS		A
BT	TERAMNUS	
Terra-Sytam		
USE	DIMEFOX	
TESTA		B
UF	SEED COAT	
BT	SEEDS	
Tetracosanoic acid		
USE	LIGNOCERIC ACID	
Tetradecanoic acid		
USE	MYRISTIC ACID	
Tetradisul		
USE	TETRASUL	
Tetraethyl pyrophosphate		
USE	TEPP	
Tetranychids		
USE	INJURIOUS MITES	
TETRANYCHUS CINNABARINUS		E
BT	INJURIOUS MITES	
TETRANYCHUS URTICAE		E
BT	INJURIOUS MITES	
TETRASUL		E
UF	TETRADISUL	
BT	ACARICIDES	
Texas bean		
USE	TEPARY BEANS	

TEXTURIZED PROTEINS		F
UF	PROTEINS (TEXTURIZED)	
BT	PROCESSED PRODUCTS	
Thanatephorus cucumeris		
USE	CORTICIUM SASAKII	
Thermoplastic extrusion		
USE	EXTRUSION	
THESES		J
UF	DISSERTATIONS	
BT	DOCUMENTATION	
THIAMIN		F
UF	ANEURIN VITAMIN B1	
BT	VITAMIN B	
THIELAVIOPSIS BASICOLA		E
BT	MYCOSES	
Thimet		
USE	PHORATE	
Thiodan		
USE	ENDOSULFAN	
Thiodemeton		
USE	DISULFOTON	
THIOMETON		E
UF	EKATIN	
BT	ACARICIDES INSECTICIDES	
Thiophos		
USE	PARATHION	
THIOQUINOX		E
UF	BAYER 31686 ERADEX	
BT	ACARICIDES FUNGICIDES	
THIRAM		E
UF	ARASAN TMTD	
BT	FUNGICIDES	
THREONINE		F
BT	AMINO ACIDS	

THRESHERS		F
BT	PROCESSING EQUIPMENT	
RT	THRESHING	
THRESHING		F
UF	DE-HULLING	
	DE-HUSKING	
	SHELLING	
BT	PROCESSING	
RT	HARVESTING	
	THRESHERS	
Thrips		
USE	THYSANOPTERA	
THYLAKOIDS		C
BT	CHLOROPLASTS	
RT	PHOTOSYNTHETIC PIGMENTS	
THYMINE		C
BT	PYRIMIDINES	
RT	DNA	
THYSANOPTERA		E
UF	THRIPS	
BT	INJURIOUS INSECTS	
NT	FRANKLINIELLA SCHULZEI	
	SERICOTHRIPS VARIABILIS	
	TAENIOTHRIPS SJOSTEDTI	
Tick bean		
USE	BROAD BEANS	
Tick clover (tall)		
USE	DESMODIUM TORTUOSUM	
TICK CLOVERS		A
UF	BEGGAR WEEDS	
	CLOVERS (TICK)	
BT	TROPICAL FORAGE LEGUMES	
RT	DESMODIUM	
Tillage		
USE	TILLING	
TILLING		D
UF	TILLAGE	
BT	LAND PREPARATION	
NT	PLOUGHING	
	RAKING	
RT	NO-TILLAGE	
	TILTH	

TILTH			D
RT	SEEDBED		
	TILLING		
TIMING			D
RT	AGE		
	PLANTING		
	SEQUENCE		
TISSUE CULTURE			C
UF	CULTURE (TISSUE)		
RT	BREEDING		
Tissues (plant)			
USE	PLANT TISSUES		
TMTD			
USE	THIRAM		
TMV			
USE	TOBACCO MOSAIC VIRUS		
TOASTING			F
BT	PROCESSING		
RT	HEATING		
TOBACCO MOSAIC VIRUS			E
UF	MARMOR TABACI		
	MUSIVUM TABACI		
	NICOTIANA VIRUS 1		
	NICOTIANAVIRUS MACULANS		
	PHYTOVIRUS NICOMOSAICUM		
	TMV		
	TOBACCO VIRUS 1		
	TOBACCO VIRUS 1A		
BT	VIROSES		
NT	CROTALARIA MOSAIC VIRUS		
RT	DOLICHOS ENATION MOSAIC VIRUSES		
TOBACCO RING SPOT VIRUS			E
UF	ANNULUS TABACI		
	MARMOR ANNULARIUM		
	NICOTIANA VIRUS 12		
	NICOTIANAVIRUS ANNULOSOM		
	TOBACCO VIRUS 10		
	TRSV		
BT	VIROSES		
RT	BUD BLIGHTS		
TOBACCO STREAK VIRUS			E
UF	ANNULUS ORAE		
	NICOTIANA VIRUS 8		
	NICOTIANAVIRUS VULNERANS		
	TOBACCO VIRUS 18		
	TSV		
BT	VIROSES		
RT	BUD BLIGHTS		

Tobacco virus 1
USE TOBACCO MOSAIC VIRUS

Tobacco virus 1A
USE TOBACCO MOSAIC VIRUS

Tobacco virus 10
USE TOBACCO RING SPOT VIRUS

Tobacco virus 18
USE TOBACCO STREAK VIRUS

Tolerance
SEE RESISTANCE entries

Tomato fruitworm
USE HELIOTHIS ZEA

Tools (farm)
USE FARM IMPLEMENTS

Topping
USE PRUNING

TOTAL NITROGEN F
BT NITROGEN CONTENT

TOUGH-PODDED KIDNEY BEANS A
UF BEAN (TOUGH-PODDED KIDNEY)
HARICOT A ECOSSER
KIDNEY BEAN (TOUGH-PODDED)
BT KIDNEY BEANS

TOWNSVILLE LUCERNE A
UF LUCERNE (TOWNSVILLE)
BT STYLO LUCERNES
RT STYLOSANTHES SUNDAICA

Toxaphene
USE CAMPHECHLOR

TOXICITY G
UF INTOXIFICATION
POISONING
RT BIOCHEMISTRY
DETOXIFICATION
HCN CONTENT
TOXICOLOGY

TOXICOLOGY G
SN Restrict to legume-related toxicology
RT ANIMAL PHYSIOLOGY
HEALTH
HUMAN PHYSIOLOGY
TOXICITY

Toxins (plant)
USE PLANT TOXINS

2,4,5-TP
USE FENOPROP

TRADE H
UF COMMERCE
EXPORTING
IMPORTING
INTERNATIONAL TRADE
BT MARKETING

TRADITIONS G
UF FOLKLORE
BT SOCIAL ASPECTS
RT HISTORY

TRAINING J
RT EDUCATION

TRANSFER RNA C
BT RNA
RT AMINO ACIDS
ATP

TRANSLOCATION B
BT PLANT PHYSIOLOGICAL PROCESSES
RT NUTRIENT UPTAKE
PLANT VASCULAR SYSTEM
SYSTEMIC PESTICIDES

Transmission (disease)
USE DISEASE TRANSMISSION

TRANSPIRATION B
BT PLANT PHYSIOLOGICAL PROCESSES
RT CANOPY
WATER REQUIREMENTS

Transportation
USE DISTRIBUTION

Treflan
USE TRIFLURALIN

Trèfle de Perse
USE PERSIAN CLOVER

Trèfle incarnat
USE CRIMSON CLOVER

Trèfle renversé
USE PERSIAN CLOVER

Trefoil (scented)
USE MELILOTUS INDICA

Trefoils
USE CLOVERS

Triazinyl phosphate
USE MENAZON

TRIBOLIUM CASTANEUM E
UF RED FLOUR BEETLE
BT COLEOPTERA
RT STORED PRODUCTS PESTS

Trichloroacetic acid
USE TCA

Trichloronitromethane
USE CHLOROPICRIN

2,4,5-Trichlorophenoxyacetic acid
USE 2,4,5-T

TRICHODERMA VIRIDE E
BT MYCOSES
RT ANTAGONISTS

TRICHODORUS CHRISTIEI E
BT NEMATODES

TRIFLURALIN E
UF TREFLAN
BT HERBICIDES

TRIFOLIUM A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT TRIFOLIUM ALEXANDRINUM
TRIFOLIUM BACCARINII
TRIFOLIUM HIRTUM
TRIFOLIUM INCARNATUM
TRIFOLIUM RESUPINATUM
TRIFOLIUM REUPPELLIANUM
TRIFOLIUM USAMBARENSE
RT CLOVERS

TRIFOLIUM ALEXANDRINUM A
BT TRIFOLIUM
RT EGYPTIAN CLOVER

TRIFOLIUM BACCARINII
BT TRIFOLIUM

TRIFOLIUM HIRTUM	A
UF TRIFOLIUM HISPIDUM	
BT TRIFOLIUM	
RT ROSE CLOVER	
Trifolium hispidum	
USE TRIFOLIUM HIRTUM	
TRIFOLIUM INCARNATUM	A
BT TRIFOLIUM	
RT CRIMSON CLOVER	
TRIFOLIUM RESUPINATUM	A
UF TRIFOLIUM SUAVEOLENS	
BT TRIFOLIUM	
RT PERSIAN CLOVER	
TRIFOLIUM REUPPELLIANUM	A
BT TRIFOLIUM	
Trifolium suaveolens	
USE TRIFOLIUM RESUPINATUM	
TRIFOLIUM USAMBARENSE	A
BT TRIFOLIUM	
TRIGONELLA	A
BT LEGUMINOSAE-PAPILIONOIDEAE	
NT TRIGONELLA FOENUM-GRAECUM	
TRIGONELLA FOENUM-GRAECUM	A
BT TRIGONELLA	
RT FENUGREEK	
Triphenyltin	
USE FENTIN	
TRIPLE SUPERPHOSPHATE	D
BT SUPERPHOSPHATE	
TRIPPING	B
BT INSECT POLLINATION	
RT KEELS	
Trolene	
USE FENCHLORPHOS	
TROPICAL FORAGE LEGUMES	A
BT FORAGE LEGUMES	
NT ALYCE CLOVERS	
CLOVERS	
COMMON VETCH	
CYPRUS VETCH	
FENUGREEK	
HORSE GRAM	
JOINT VETCHES	

KUDZUS
LESPEDEZAS
LUPINS
STYLO LUCERNES
SWEETCLOVERS
TANGIER PEAS
TICK CLOVERS
VELVET BEANS
RT ASPARAGUS BEANS
GLYCINE CANESCENS
LATHYRUS SATIVUS
LATHYRUS SYLVESTRIS
LOTONONIS BAINESII
METCALFE BEANS
RICE BEANS
TERAMNUS
VICIA
ZORNIA DIPHYLLO

TROPICAL GRAIN LEGUMES
UF TROPICAL PULSES
BT GRAIN LEGUMES
NT ADZUKI BEANS
AFRICAN LOCUST BEANS
ASPARAGUS BEANS
BAMBARRA GROUNDNUTS
BROAD BEANS
CATJANG
CHICK PEAS
CLUSTER BEANS
COWPEAS
DIOCLEA REFLEXA
GEOCARPA GROUNDNUTS
GOA BEANS
HORSE-EYE BEANS
JACK BEANS
KIDNEY BEANS
LABLAB
LENTILS
LIMA BEANS
METCALFE BEANS
MOTH BEANS
MUNG BEANS
PEAS
PHASEMY BEANS
PIGEON PEAS
RICE BEANS
SARAWAK BEANS
SCARLET RUNNER BEANS
SWORD BEANS
TEPARY BEANS
URD
RT AFRICAN YAM BEANS
BENGAL BEANS
GROUNDNUTS

A

SOYBEANS
VICIA CALCARATA
YAM BEANS

Tropical Kudzu
USE PUERARIA PHASEOLOIDES

Tropical pulses
USE TROPICAL GRAIN LEGUMES

TROPISMS
UF PLANT MOVEMENTS

B

TRSV
USE TOBACCO RING SPOT VIRUS

TRYPSIN INHIBITORS
UF ANTITRYPSIN FACTORS
INHIBITORS (TRYPSIN)
BT METABOLIC INHIBITORS
RT HEATING

F

TRYPTOPHANE
BT AMINO ACIDS

F

TSV
USE TOBACCO STREAK VIRUS

TUBERS
BT ROOTS

B

Tur
USE CAJANUS CAJAN FLAVUS

Tylencholaimus americanus
USE XIPHINEMA AMERICANUM

Tylenchus arenarius
USE MELOIDOGYNE ARENARIA

Tylenchus biformis
USE RADOPHOLUS SIMILIS

Tylenchus brachyurus
USE PRATYLENCHUS BRACHYURUS

Tylenchus javanica
USE MELOIDOGYNE JAVANICA

Tylenchus pseudorobustus
USE HELICOTYLENCHUS PSEUDOROBUSTUS

Tylenchus schachtii
USE HETERODERA SCHACHTII

Tylenchus similis
USE RADOPHOLUS SIMILIS

TYROSINE
BT AMINO ACIDS

F

ULTRASTRUCTURE C
RT CELL STRUCTURE

University departments
USE INSTITUTIONS

Unprocessed products
USE FRESH PRODUCTS

UNSATURATED FATTY ACIDS F
UF FATTY ACIDS (UNSATURATED)
BT FATTY ACIDS
NT ARACHIDONIC ACID
DODECENOIC ACIDS
LINOLEIC ACID
LINOLENIC ACIDS
OLEIC ACID
PALMITOLEIC ACID

Uptake (nutrient)
USE NUTRIENT UPTAKE

URD A
SN Urd and Mung are probably variants
of a single species, but custom
requires their separate usage for
the present
UF BLACK GRAM
GRAM (BLACK)
BT TROPICAL GRAIN LEGUMES
RT MUNG BEANS
VIGNA MUNGO

Urd (wild)
USE VIGNA RADIATA SUBLOBATA

UREA D
BT AMIDE FERTILIZERS

UROMYCES APPENDICULATUS E
BT MYCOSES

UROMYCES CICERIS-ARIETINI E
BT MYCOSES

Uromyces fabae
USE UROMYCES VICIAE-FABAE

Uromyces phaseoli vignae
USE UROMYCES VIGNAE

UROMYCES VICIAE-FABAE	E
UF UROMYCES FABAE	
BT MYCOSES	
UROMYCES VIGNAE	E
UF UROMYCES PHASEOLI VIGNAE	
BT MYCOSES	
USES	G
UF PRODUCT APPLICATIONS UTILIZATION	
NT FEEDS AND FEEDING FOOD PRODUCTS INDUSTRIAL USES	
RT ECONOMIC ASPECTS PACKAGING SOCIAL ASPECTS WASTE UTILIZATION	

Utilization
USE USES

VACUOLES		C
BT	CYTOPLASMIC ORGANELLES	
VALENCIA	GROUNDNUTS	A
UF	GROUNDNUTS (VALENCIA)	
BT	GROUNDNUTS	
VALINE		F
BT	AMINO ACIDS	
Vapona		
USE	DICHLORVOS	
Vapotone		
USE	TEPP	
VARIATION		C
SN	Difference between, related individuals due to differences of environment or genotype	
RT	CULTIVARS	
Varietal resistance		
USE	HOST-PLANT RESISTANCE	
Varieties		
USE	CULTIVARS	
Vascular system (plant)		
USE	PLANT VASCULAR SYSTEM	
VASCULAR TISSUES		B
BT	PLANT TISSUES	
NT	PHLOEM XYLEM	
RT	PLANT VASCULAR SYSTEM STELE	
VECTORS		E
UF	DISEASE CARRIERS	
RT	INJURIOUS INSECTS INSECT TRANSMISSION NEMATODE TRANSMISSION VIRUS TRANSMISSION	
Vegetable meat		
USE	MEAT SIMULANTS	
VEGETABLES		F
BT	FRESH PRODUCTS	
RT	FOOD PRODUCTS	

Velvet bean (black)
USE BENGAL BEANS

Velvet bean (Deering)
USE FLORIDA VELVET BEANS

Velvet bean (Florida)
USE FLORIDA VELVET BEANS

Velvet bean (Georgia)
USE FLORIDA VELVET BEAN

Velvet bean (Osceola)
USE OSCEOLA VELVET BEANS

VELVET BEANS

UF BEAN (VELVET)
COWITCH
BT TROPICAL FORAGE LEGUMES
NT BENGAL BEANS
FLORIDA VELVET BEANS
LYON BEANS
OSCEOLA VELVET BEANS
YOKOHAMA BEANS
RT MUCUNA

A

Velvetbean caterpillar
USE ANTICARSIA GEMMATALIS

VENTILATION
RT AERATION

F

Verdcourtia
USE DIPOGON

Verdcourtia lignosa
USE DIPOGON LIGNOSUS

Vermicelli
USE PASTA

Vetch (chickling)
USE LATHYRUS SATIVUS

Vetch (common)
USE COMMON VETCH

Vetch (Cyprus)
USE CYPRUS VETCH

Vetch (ochrus)
USE CYPRUS VETCH

Vetch (spring)
USE COMMON VETCH

Vetches
USE VICIA

Vetches (joint)
USE JOINT VETCHES

Vetchling (winged)
USE CYPRUS VETCH

Vexillum
USE STANDARDS

Viability (seed)
USE SEED VIABILITY

VICIA A
UF VETCHES
BT LEGUMINOSAE-PAPILIONOIDEAE
NT VICIA CALCARATA
VICIA FABA
VICIA GRAMINEA
VICIA MONTEVIDENSIS
VICIA NIGRICANS
VICIA OBSCURA
VICIA SATIVA
VICIA SELLOI
RT TROPICAL FORAGE LEGUMES

VICIA CALCARATA A
BT VICIA

VICIA FABA A
UF FABA VULGARIS
BT VICIA
RT BROAD BEANS

VICIA GRAMINEA A
BT VICIA

VICIA MONTEVIDENSIS A
BT VICIA

VICIA NIGRICANS A
BT VICIA

VICIA OBSCURA A
BT VICIA

VICIA SATIVA A
BT VICIA
RT COMMON VETCH

VICIA SELLOI A
BT VICIA

Viciaceae

USE LEGUMINOSAE-PAPILIONOIDEAE

Viciavirus chlorogenum

USE BEAN LEAF ROLL VIRUS

Viciavirus maculans

USE BROAD BEAN MOTTLE VIRUS

VIGNA

A

BT LEGUMINOSAE-PAPILIONOIDEAE

NT VIGNA ACONITIFOLIA

VIGNA ANGULARIS

VIGNA ANGUSTIFOLIOLATA

VIGNA CARACALLA

VIGNA CLARKEI

VIGNA COMOSA

VIGNA DALZELLIANA

VIGNA FRIESIORUM

VIGNA FRUTESCENS

VIGNA GRAHAMIANA

VIGNA HAUMANIANA

VIGNA HIRTELLA

VIGNA HOSEI

VIGNA JUNCEA

VIGNA JURUANA

VIGNA LASIOCARPA

VIGNA LONGIFOLIA

VIGNA MACRORHYNCHA

VIGNA MALAYANA

VIGNA MEMBRANACEA

VIGNA MONOPHYLLA

VIGNA MUNGO

VIGNA NERVOSA

VIGNA OBLONGIFOLIA

VIGNA PARKERI

VIGNA PILOSA

VIGNA PUBESCENS

VIGNA PRAECOX

VIGNA RADIATA

VIGNA REFLEXOPILOSA

VIGNA RICHARDSIAE

VIGNA RIUKIUENSIS

VIGNA TENUIS

VIGNA TRILOBATA

VIGNA TRIPHYLLA

VIGNA UMBELLATA

VIGNA UNGUICULATA

VIGNA VEXILLATA

VIGNA ACONITIFOLIA A
UF DOLICHOS DISSECTUS
PHASEOLUS ACONITIFOLIUS
PHASEOLUS PALMATUS
PHASEOLUS TRILOBUS
BT VIGNA
RT MOTH BEANS

Vigna alba
USE VIGNA UNGUICULATA DEKINDTIANA

VIGNA ANGULARIS A
UF AZUKIA ANGULARIS
DOLICHOS ANGULARIS
PHASEOLUS ANGULARIS
BT VIGNA
RT ADZUKI BEANS

Vigna angustifolia
USE VIGNA VEXILLATA ANGUSTIFOLIA

VIGNA ANGUSTIFOLIOLATA A
UF VIGNA STENOPHYLLA
VIGNA TRILOBA STENOPHYLLA
BT VIGNA
RT VIGNA UNGUICULATA

Vigna baoulensis
USE VIGNA UNGUICULATA DEKINDTIANA

Vigna benthami
USE PSEUDOVIGNA ARGENTEA

Vigna brachycarpa
USE VIGNA RADIATA SUBLOBATA

Vigna buchneri
USE VIGNA FRUTESCENS F BUCHNERI

Vigna caesia
USE VIGNA MEMBRANACEA CAESIA

Vigna calcarata
USE VIGNA UMBELLATA

Vigna campestris
USE MACROPTILIUM LONGEPEDUNCULATUM

Vigna canescens
USE AUSTRODOLICHOS ERRABUNDUS

Vigna capensis
USE VIGNA VEXILLATA ANGUSTIFOLIA

VIGNA CARACALLA A
UF CARACOL
PHASEOLUS CARACALLA
SNAIL-FLOWER
BT VIGNA

Vigna catjang
USE VIGNA UNGUICULATA CYLINDRICA

VIGNA CLARKEI A
BT VIGNA

Vigna coerulea
USE VIGNA UNGUICULATA DEKINDTIANA

VIGNA COMOSA A
UF VIGNA MICRANTHA
BT VIGNA

Vigna cylindrica
USE VIGNA UNGUICULATA CYLINDRICA

VIGNA DALZELLIANA A
UF PHASEOLUS DALZELLIANUS
PHASEOLUS DALZELLII
PHASEOLUS PAUCIFLORUS
BT VIGNA

Vigna dekindtiana
USE VIGNA UNGUICULATA DEKINDTIANA

Vigna dolichonema
USE VIGNA VEXILLATA DOLICHONEMA

Vigna esculenta
USE VIGNA FRUTESCENS F FRUTESCENS

Vigna fragrans
USE VIGNA FRUTESCENS F FRUTESCENS

VIGNA FRIESIORUM A
BT VIGNA
NT VIGNA FRIESIORUM ULUGURENSIS

VIGNA FRIESIORUM ULUGURENSIS A
UF VIGNA ULUGURENSIS
BT VIGNA FRIESIORUM

VIGNA FRUTESCENS A
BT VIGNA
NT VIGNA FRUTESCENS FRUTESCENS
VIGNA FRUTESCENS INCANA
VIGNA FRUTESCENS KOTSCHYI

VIGNA FRUTESCENS FRUTESCENS A
BT VIGNA FRUTESCENS
NT VIGNA FRUTESCENS F BUCHNERI
VIGNA FRUTESCENS F FRUTESCENS

VIGNA FRUTESCENS F BUCHNERI A
UF LIEBRECHTSIA KATANGENSIS
VIGNA BUCHNERI
VIGNA KATANGENSIS
BT VIGNA FRUTESCENS FRUTESCENS

VIGNA FRUTESCENS F FRUTESCENS A
UF LIEBRECHTSIA ESCULENTA
VIGNA ESCULENTA
VIGNA FRAGRANS
VIGNA GLANDULOSA
VIGNA HARMSIANA
VIGNA KENIENSIS
VIGNA SUDANICA
VIGNA TAUBERTII
VIGNA VIOLACEA
BT VIGNA FRUTESCENS FRUTESCENS

VIGNA FRUTESCENS INCANA A
UF VIGNA INCANA
BT VIGNA FRUTESCENS

VIGNA FRUTESCENS KOTSCHYI A
UF LIEBRECHTSIA KOTSCHYI
VIGNA KOTSCHYI
VIGNA NEUMANNII
BT VIGNA FRUTESCENS

Vigna galpinii
USE VIGNA NERVOSA

Vigna glandulosa
USE VIGNA FRUTESCENS F FRUTESCENS

VIGNA GRAHAMIANA A
UF DOLICHOS SUBCARNOSUS
PHASEOLUS GRAHAMIANUS
BT VIGNA

Vigna hapalantha
USE VIGNA MEMBRANACEA HAPALANTHA

Vigna harmsiana
USE VIGNA FRUTESCENS F FRUTESCENS

VIGNA HAUMANIANA A
BT VIGNA

VIGNA HIRTELLA A
BT VIGNA

Vigna hispida
USE VIGNA UNGUICULATA PROTRACTA

VIGNA HOSEI A
UF DOLICHOS HOSEI
VIGNA OLIGOSPERMA
BT VIGNA
RT SARAWAK BEANS

Vigna huillensis
USE VIGNA UNGUICULATA DEKINDTIANA

Vigna incana
USE VIGNA FRUTESCENS INCANA

VIGNA JUNCEA A
BT VIGNA

Vigna junodii
USE DOLICHOS JUNODII

VIGNA JURUANA A
BT VIGNA

Vigna katangensis
USE VIGNA FRUTESCENS F BUCHNERI

Vigna keniensis
USE VIGNA FRUTESCENS F FRUTESCENS

Vigna kotschyi
USE VIGNA FRUTESCENS KOTSCHYI

Vigna lancifolia
USE VIGNA OBLONGIFOLIA

VIGNA LASIOCARPA A
UF PHASEOLUS HIRSUTUS
PHASEOLUS LASIOCARPUS
PHASEOLUS PILOSUS
BT VIGNA

Vigna leptodon
USE VIGNA MEMBRANACEA MEMBRANACEA

VIGNA LONGIFOLIA A
UF PHASEOLUS LONGIFOLIUS
PHASEOLUS OVATUS
PHASEOLUS PRODUCTUS
PHASEOLUS SCHOTTII

PHASEOLUS TRICHOCARPUS
VIGNA PALUDOSA
BT VIGNA

Vigna macrantha
USE SPATHIONEMA KILIMANDSCHARICUM

Vigna macrodon
USE VIGNA MEMBRANACEA MACRODON

VIGNA MACRORHYNCHA A
UF PHASEOLUS MACRORHYNCHUS
PHASEOLUS SCHIMPERI
PHASEOLUS STENOCARPUS
VIGNA MACRORRHYNCHA
VIGNA PROBOSCIDELLA
BT VIGNA

Vigna macrorrhyncha
USE VIGNA MACRORHYNCHA

VIGNA MALAYANA A
UF VIGNA PARVIFLORA
BT VIGNA

VIGNA MALOSANA A
BT VIGNA UNGUICULATA DEKINDTIANA

Vigna maranguensis
USE VIGNA PARKERI MARANGUENSIS

VIGNA MEMBRANACEA A
NT VIGNA MEMBRANACEA CAESIA
VIGNA MEMBRANACEA HAPALANTHA
VIGNA MEMBRANACEA MACRODON
VIGNA MEMBRANACEA MEMBRANACEA
BT VIGNA

VIGNA MEMBRANACEA CAESIA A
UF VIGNA CAESIA
BT VIGNA MEMBRANACEA

VIGNA MEMBRANACEA HAPALANTHA A
UF VIGNA HAPALANTHA
BT VIGNA MEMBRANACEA

VIGNA MEMBRANACEA MACRODON A
UF VIGNA MACRODON
BT VIGNA MEMBRANACEA

VIGNA MEMBRANACEA MEMBRANACEA A
UF VIGNA LEPTODON
VIGNA MEMBRANACEOIDES
BT VIGNA MEMBRANACEA

Vigna membranaceoides

USE VIGNA MEMBRANACEA MEMBRANACEA

Vigna micrantha

USE VIGNA COMOSA

VIGNA MONOPHYLLA

BT VIGNA

A

VIGNA MUNGO

UF AZUKIA MUNGO
PHASEOLUS MUNGO L

BT VIGNA

RT MUNG BEANS

URD

VIGNA RADIATA RADIATA

A

VIGNA NERVOSA

UF VIGNA GALPINII

BT VIGNA

RT VIGNA UNGUICULATA

A

Vigna neumannii

USE VIGNA FRUTESCENS KOTSCHYI

VIGNA OBLONGIFOLIA

UF DOLICHOS DILLONII
VIGNA LANCIFOLIA
VIGNA WILMSII

BT VIGNA

A

Vigna oligosperma

USE VIGNA HOSEI

Vigna opisotricha

USE VIGNA RADIATA SUBLOBATA

Vigna paludosa

USE VIGNA LONGIFOLIA

VIGNA PARKERI

BT VIGNA

NT VIGNA PARKERI MARANGUENSIS

A

VIGNA PARKERI MARANGUENSIS

UF DOLICHOS MARANGUENSIS
VIGNA MARANGUENSIS

BT VIGNA PARKERI

A

Vigna parviflora

USE VIGNA MALAYANA

VIGNA PILOSA

UF DOLICHOS PILOSUS
DOLICHOVIGNA FORMOSANA

BT VIGNA

A

VIGNA PRAECOX	A
BT VIGNA	
Vigna proboscidea	
USE VIGNA MACRORHYNCHA	
VIGNA PUBESCENS	A
BT VIGNA	
RT VIGNA UNGUICULATA	
VIGNA RADIATA	A
UF AZUKIA RADIATA	
PHASEOLUS AUREUS	
PHASEOLUS MUNGO AUCTT	
PHASEOLUS RADIATUS L	
RUDIA AUREA	
BT VIGNA	
NT VIGNA RADIATA GLABRA	
VIGNA RADIATA RADIATA	
VIGNA RADIATA SUBLOBATA	
VIGNA RADIATA GLABRA	A
UF PHASEOLUS GLABER	
PHASEOLUS GLABRESCENS	
BT VIGNA RADIATA	
VIGNA RADIATA RADIATA	A
BT VIGNA RADIATA	
RT VIGNA MUNGO	
VIGNA RADIATA SUBLOBATA	A
UF MUNG (WILD)	
PHASEOLUS RADIATUS AUCTT	
PHASEOLUS SUBLOBATUS	
PHASEOLUS TRINERVIUS	
URD (WILD)	
VIGNA BRACHYCARPA	
VIGNA OPISOTRICA	
WILD MUNG	
WILD URD	
BT VIGNA RADIATA	
VIGNA REFLEXOPILOSA	A
UF AZUKIA REFLEXOPILOSA	
PHASEOLUS REFLEXOPILOSA	
BT VIGNA	
Vigna rhomboidea	
USE VIGNA UNGUICULATA PROTRACTA	
VIGNA RICHARDSIAE	A
BT VIGNA	

VIGNA RIUKIUENSIS A
UF AZUKIA RIUKIUENSIS
PHASEOLUS RIUKIUENSIS
BT VIGNA

Vigna scabra
USE VIGNA UNGUICULATA DEKINDTIANA

VIGNA SCABRIDA A
BT VIGNA UNGUICULATA DEKINDTIANA

Vigna sesquipedalis
USE VIGNA UNGUICULATA SESQUIPEDALIS

Vigna sinensis
SN This name has been variously applied
by different authors. However, as
it has become habitually associated
with the cowpea, for general references
USE COWPEAS
For taxonomic references,
USE VIGNA UNGUICULATA UNGUICULATA

Vigna sinensis catjang
USE VIGNA UNGUICULATA CYLINDRICA

Vigna sinensis sesquipedalis
USE VIGNA UNGUICULATA SESQUIPEDALIS

Vigna stenophylla
USE VIGNA ANGUSTIFOLIOLATA

Vigna sudanica
USE VIGNA FRUTESCENS F FRUTESCENS

Vigna taubertii
USE VIGNA FRUTESCENS F FRUTESCENS

VIGNA TENUIS A
UF DOLICHOS RETICULATUS
SCYTALIS TENUIS OVATA
BT VIGNA
RT VIGNA UNGUICULATA

Vigna triloba
USE VIGNA UNGUICULATA PROTRACTA

Vigna triloba stenophylla
USE VIGNA ANGUSTIFOLIOLATA

VIGNA TRILOBATA A
UF DOLICHOS TRILOBATUS
PHASEOLUS TRILOBATUS
BT VIGNA

VIGNA TRIPHYLLA A
UF HAYDONIA TRIPHYLLA
BT VIGNA

Vigna ulugurensis
USE VIGNA FRIESIORUM ULUGURENSIS

VIGNA UMBELLATA A
UF AZUKIA UMBELLATA
DOLICHOS UMBELLATUS
PHASEOLUS CALCARATUS
PHASEOLUS PUBESCENS
PHASEOLUS RICCIARDIANUS
VIGNA CALCARATA
BT VIGNA
RT RICE BEANS

VIGNA UNGUICULATA A
NT VIGNA UNGUICULATA CYLINDRICA
VIGNA UNGUICULATA DEKINDTIANA
VIGNA UNGUICULATA MENSSENSIS
VIGNA UNGUICULATA PROTRACTA
VIGNA UNGUICULATA SESQUIPEDALIS
VIGNA UNGUICULATA UNGUICULATA
BT VIGNA
RT COWPEAS
VIGNA ANGUSTIFOLIOLATA
VIGNA NERVOSA
VIGNA PUBESCENS
VIGNA TENUIS

Vigna unguiculata catjang
USE VIGNA UNGUICULATA CYLINDRICA

VIGNA UNGUICULATA CYLINDRICA A
UF DOLICHOS CATJANG
DOLICHOS MONACHALIS
DOLICHOS TRANQUEBARICUS
PHASEOLUS CYLINDRICUS
VIGNA CATJANG
VIGNA CYLINDRICA
VIGNA SINENSIS CATJANG
VIGNA UNGUICULATA CATJANG
BT VIGNA UNGUICULATA
RT CATJANG

VIGNA UNGUICULATA DEKINDTIANA A
UF CLITORIA ALBA
COWPEA (WILD)
LIEBRECHTSIA SCABRA
VIGNA ALBA
VIGNA BAULENSIS
VIGNA COERULEA
VIGNA DEKINDTIANA
VIGNA HUILLENSIS
VIGNA SCABRA
WILD COWPEA
BT VIGNA UNGUICULATA
NT VIGNA MALOSANA
VIGNA SCABRIDA

VIGNA UNGUICULATA MENSSENSIS	A
BT VIGNA UNGUICULATA	
VIGNA UNGUICULATA PROTRACTA	A
UF DOLICHOS TRILOBUS THUNB	
SCYTALIS HISPIDA	
SCYTALIS PROTRACTA	
VIGNA HISPIDA	
VIGNA RHOMBOIDEA	
VIGNA TRILOBA	
BT VIGNA UNGUICULATA	
VIGNA UNGUICULATA SESQUIPEDALIS	A
UF DOLICHOS SESQUIPEDALIS	
VIGNA SESQUIPEDALIS	
VIGNA SINENSIS SESQUIPEDALIS	
BT VIGNA UNGUICULATA	
RT ASPARAGUS BEANS	
VIGNA UNGUICULATA UNGUICULATA	A
UF DOLICHOS BIFLORUS L	
DOLICHOS SINENSIS	
DOLICHOS UNGUICULATUS	
PHASEOLUS UNGUICULATUS	
VIGNA SINENSIS (q.v.)	
BT VIGNA UNGUICULATA	
RT HORSE GRAM	
VIGNA VEXILLATA	A
BT VIGNA	
NT VIGNA VEXILLATA ANGUSTIFOLIA	
VIGNA VEXILLATA DOLICHONEMA	
VIGNA VEXILLATA VEXILLATA	
VIGNA VEXILLATA ANGUSTIFOLIA	A
UF PHASEOLUS CAPENSIS	
PLECTROTROPIS ANGUSTIFOLIA	
VIGNA ANGUSTIFOLIA	
VIGNA CAPENSIS	
BT VIGNA VEXILLATA	
VIGNA VEXILLATA DOLICHONEMA	A
UF VIGNA DOLICHONEMA	
BT VIGNA VEXILLATA	
VIGNA VEXILLATA VEXILLATA	A
UF PHASEOLUS PULNIENSIS	
PHASEOLUS QUADRIFLORUS	
PHASEOLUS SEPIARIUS	
PHASEOLUS VEXILLATUS	
STROPHOSTYLES CAPENSIS	
VIGNA CARINALIS	
VIGNA CRINITA	
VIGNA HIRTA	
VIGNA SCABRA	
VIGNA SENEGALENSIS	

VIGNA THONNINGII
VIGNA TUBEROSA
VIGNA VEXILLATA HIRTA
BT VIGNA VEXILLATA

Vigna violacea
USE VIGNA FRUTESCENS F FRUTESCENS

Vigna wilmsii
USE VIGNA OBLONGIFOLIA

Vignavirus maculans
USE COWPEA APHID-BORNE MOSAIC VIRUS

Vigor (hybrid)
USE HYBRID VIGOUR

Vine (Mauna Loa)
USE CANAVALIA MICROCARPA

VIRGINIA GROUNDNUTS
UF GROUNDNUTS (VIRGINIA)
BT GROUNDNUTS

A

VIROSES

E

SN Includes pathogens
UF DISEASES (VIRUS)
VIRUS DISEASES
BT DISEASES AND PATHOGENS
NT ALFALFA DWARF VIRUS
ALFALFA MOSAIC VIRUS
BEAN COMMON MOSAIC VIRUS
BEAN LEAF ROLL VIRUS
BEAN POD MOTTLE VIRUS
BEAN SOUTHERN MOSAIC VIRUS
BEAN YELLOW MOSAIC VIRUS
BROAD BEAN MOTTLE VIRUS
BROAD BEAN STAIN VIRUS
COWPEA CHLOROTIC MOTTLE VIRUS
COWPEA MOSAICS
COWPEA MOTTLE VIRUS
DOLICHOS ENATION MOSAIC VIRUS
DOLICHOS LABLAB YELLOW MOSAIC VIRUS
DOUBLE BEAN YELLOW MOSAIC VIRUS
GROUNDNUT MOSAICS
GROUNDNUT MOTTLE VIRUS
GROUNDNUT ROSETTE VIRUS
GROUNDNUT STUNT DISEASE VIRUS
GROUNDNUT WITCHES BROOM VIRUS
PEA MOSAICS
PEA STREAK VIRUS
PIGEON PEA MOSAICS
SOYBEAN DWARF VIRUS
SOYBEAN MOSAIC VIRUS
SOYBEAN POD MOTTLE VIRUS
SOYBEAN STUNT VIRUS
SOYBEAN WITCHES BROOM VIRUS

SOYBEAN YELLOW STIPPLE VIRUS
TOBACCO RING SPOT VIRUS
TOBACCO MOSAIC VIRUS
TOBACCO STREAK VIRUS
RT CHLOROSIS
VECTORS
VIRUS INHIBITION
VIRUS TRANSMISSION

Virus diseases
USE VIROSES

VIRUS INHIBITION E
BT DISEASE CONTROL
NT ANTISERA
RT VIROSES

VIRUS TRANSMISSION E
NT NON-PERSISTENT VIRUSES
PERSISTENT VIRUSES
BT DISEASE TRANSMISSION
RT VECTORS
VIROSES

VITAMIN A F
BT VITAMIN CONTENT

VITAMIN B F
BT VITAMIN CONTENT
NT RIBOFLAVIN
THIAMIN
VITAMIN B12

Vitamin B1
USE THIAMIN

Vitamin B2
USE RIBOFLAVIN

VITAMIN B12 F
BT VITAMIN B

Vitamin C
USE ASCORBIC ACID

VITAMIN CONTENT F
BT COMPOSITION
NT ASCORBIC ACID
NICOTINIC ACID
VITAMIN A
VITAMIN B

VITAMIN DEFICIENCIES G
BT DEFICIENCIES

VOANDZEIA A
BT LEGUMINOSAE-PAPILIONOIDEAE
NT VOANDZEIA SUBTERRANEA

VOANDZEIA SUBTERRANEA A
BT VOANDZEIA
RT BAMBARRA GROUNDNUTS

Voanzou
USE BAMBARRA GROUNDNUTS

Voanjo
USE BAMBARRA GROUNDNUTS

Walls (cell)
USE CELL WALLS

WASTE UTILIZATION G
RT FEEDS AND FEEDING
INDUSTRIALIZATION
USES
WASTES

WASTES F
UF REFUSE
RT PRODUCTIVITY
WASTE UTILIZATION

WATER CONTENT F
BT COMPOSITION

WATER-LOGGING D
RT WATER REQUIREMENTS

WATER MANAGEMENT D
UF MANAGEMENT (WATER)
NT EROSION
IRRIGATION
RUN-OFF
RT DRAINAGE
WATER REQUIREMENTS

WATER REQUIREMENTS D
UF MOISTURE
BT CULTIVATION
RT CLIMATIC REQUIREMENTS
DROUGHT
ECOLOGY
ENVIRONMENTAL EFFECTS
RAINFALL
SOIL REQUIREMENTS
TRANSPIRATION
WATER-LOGGING
WATER MANAGEMENT
WATER STRESS

WATER STRESS D
BT STRESS FACTORS
RT WATER REQUIREMENTS

Wax bean
USE FRENCH BEANS

WAYAKA YAM BEANS A
UF BEAN (WAYAKA YAM)
YAM BEAN (WAYAKA)
BT YAM BEANS
RT PACHYRHIZUS ANGULATUS

Weathering (plant)

USE PLANT WEATHERING

WEED CONTROL

E

BT PLANT PROTECTION
NT HERBICIDES
RT WEEDING
WEEDS

WEEDING

D

UF HAND WEEDING
BT CULTIVATION
RT COVER CROPS
HOEING
WEED CONTROL
WEEDS

Weedkillers

USE HERBICIDES

WEEDS

E

BT PESTS
RT WEED CONTROL

Weight (seed)

USE SEED WEIGHT

West African locust bean

USE PARKIA FILICOIDEA

Western corn rootworm

USE DIABROTICA VIRGIFERA

WET SEASON

D

UF MONSOON SEASON
RAINY SEASON
BT SEASONS

Wet stem rot (cowpea)

USE COWPEA WET STEM ROT

WHEAT

D

UF CORN (British usage)
BT CEREALS

WHEY

F

RT ISOLATED PROTEINS

WHITE LIMA BEANS A
UF BEAN (WHITE LIMA)
BEAN (BUTTER)
BUTTER BEAN
LIMA BEAN (WHITE)
PHASEOLUS INAMOENUS
BT LIMA BEANS

WHITE LUPIN A
UF LUPIN (WHITE)
BT LUPINS
RT LUPINUS ALBUS

Whitefly (sweetpotato)
USE BEMISIA TABACI

Wild cowpea
USE VIGNA UNGUICULATA DEKINDTIANA

Wild mung
USE VIGNA RADIATA SUBLOBATA

Wild soybean
USE GLYCINE SOJA

Wild urd
USE VIGNA RADIATA SUBLOBATA

WIND EFFECTS D
BT ENVIRONMENTAL EFFECTS

WIND POLLINATION B
UF ANEMOPHILY
BT POLLINATION

Winged beans
SN Winged beans (Psophocarpus) of
the tropics; not of the Mediterranean
and temperate regions, which belong
to Lotus
USE GOA BEANS

Winged vetchling
USE CYPRUS VETCH

WINTER D
BT SEASONS

Work plans
USE DEVELOPMENT

Work programs
USE DEVELOPMENT

Workers
USE LABOUR

XANTHOMONAS PHASEOLI		E
UF	BACTERIAL BLOTCH (BEAN) BEAN BACTERIAL BLOTCH	
BT	BACTERIOSES	
XANTHOMONAS PHASEOLI SOJENSE		E
UF	BACTERIAL LEAF SPOT (SOYBEAN) LEAF SPOT (SOYBEAN BACTERIAL) SOYBEAN BACTERIAL LEAF SPOT XANTHOMONAS PHASEOLI SOJENSIS	
BT	BACTERIOSES	
Xanthomonas phaseoli sojensis		
USE	XANTHOMONAS PHASEOLI SOJENSE	
XANTHOMONAS VIGNICOLA		E
UF	BACTERIAL PUSTULE (COWPEA) COWPEA BACTERIAL PUSTULE	
BT	BACTERIOSES	
XIPHINEMA AMERICANUM		E
UF	TYLENCHOLAIMUS AMERICANUS	
BT	NEMATODES	
XIPHINEMA BASIRI		E
BT	NEMATODES	
XYLEM		B
BT	VASCULAR TISSUES	
RT	CAMBIUM	

Yam bean (African)
USE SFHENOSTYLIS

Yam bean (Mexican)
USE MEXICAN YAM BEANS

Yam bean (Wayaka)
USE WAYAKA YAM BEANS

YAM BEANS

A

UF BEAN (YAM)
YAMBEANS
BT ROOT LEGUMES
NT AHIPA
JICANA
MEXICAN YAM BEANS
WAYAKA YAM BEANS
RT AFRICAN YAM BEANS
PACHYRHIZUS
STARCH CROPS
TROPICAL GRAIN LEGUMES

Yambeans
USE YAM BEANS

Yard-long bean
USE ASPARAGUS BEANS

Yellow annual sweetclover
USE MELILOTUS INDICA

Yellow dhal
USE PIGEON PEAS

Yield (grain)
USE GRAIN YIELD

Yield (seed)
USE GRAIN YIELD

YIELD COMPONENTS
RT YIELD INCREASE

H

YIELD INCREASE
UF IMPROVEMENT (YIELD)
BT BREEDING AIMS
RT YIELD COMPONENTS
YIELDS

C

YIELD LOSS
UF LOSS OF YIELD
REDUCTION OF YIELD
YIELD REDUCTION
BT YIELDS
RT CROP LOSSES

H

Yield reduction

USE YIELD LOSS

YIELDS

NT GRAIN YIELD
YIELD LOSS
RT PRODUCTIVITY
YIELD COMPONENTS
YIELD INCREASE

H

YOGURT

BT DAIRY FOODS

G

YOKOHAMA BEANS

UF BEAN (YOKOHAMA)
BT VELVET BEANS
RT MUCUNA HASSJOO

A

ZEATIN			B
BT	CYTOKININS		
Zero tillage			
USE	NO-TILLAGE		
ZINC			D
UF	ZN		
BT	MINERALS AND NUTRIENTS		
ZINEB			E
UF	DITHANE Z-78		
BT	FUNGICIDES		
Zn			
USE	ZINC		
ZORNIA			A
BT	LEGUMINOSAE-PAPILIONOIDEAE		
NT	ZORNIA DIPHYLLA		
ZORNIA DIPHYLLA			A
BT	ZORNIA		
RT	TROPICAL FORAGE LEGUMES		
ZYGOTES			C
NT	HETEROZYGOTES		
	HOMOZYGOTES		
RT	GAMETES		

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