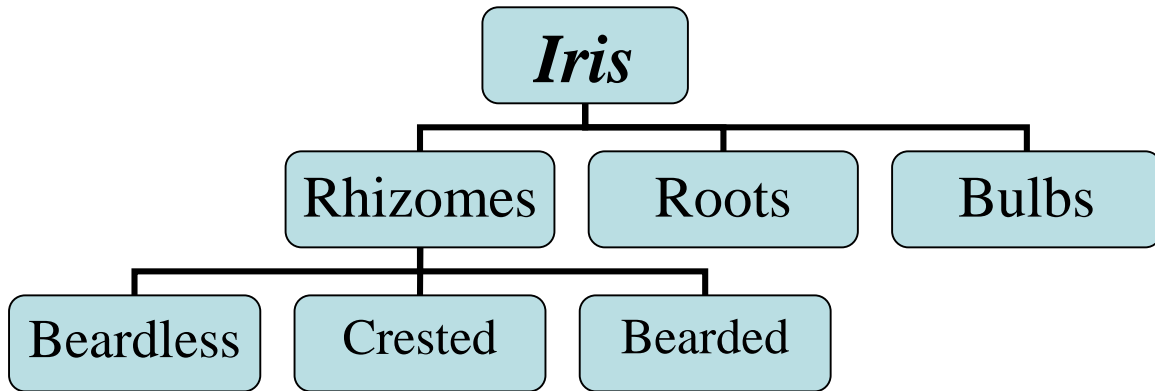
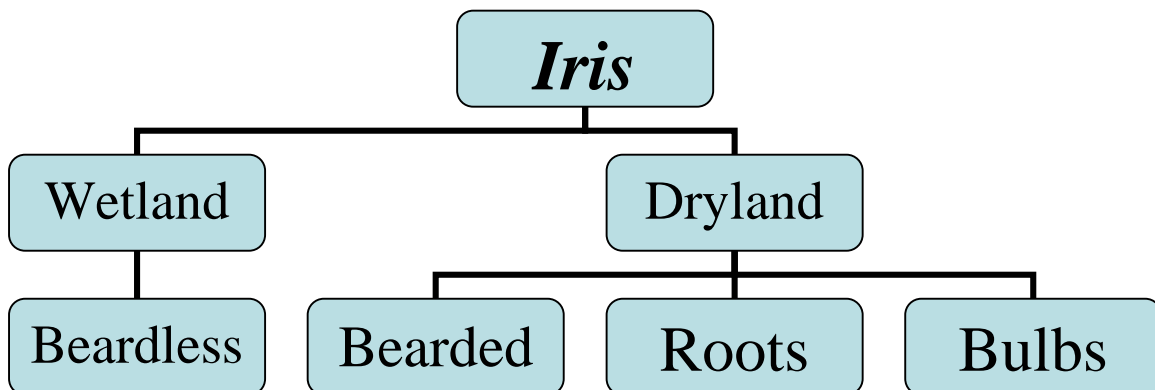


Summary of the Genus *Iris*

Old classification



New Classification



Genus *Iris* L.

Wetland Rhizomes

Subgenus *Limniris* (Tausch) Spach

Beardless

Section *Limniris*

Series *Hexagonae* (Diels) Lawrence

- I. brevicaulis* Raf. Mississippi River Basin. 12-20" (30-50 cm). Bright blue-violet, hafts white, veined; falls with yellow median stripe. 2n=42. Syn. *I. foliosa*, *I. lamancei*
- I. fulva* Ker-Gawl. Mississippi River Valley. 18-31" (45-80 cm). Red, coppery-red or orange-red, sometimes yellow or white. 2n=42. Syn. *I. cuprea*, *I. rubescens*
- I. giganteaerulea* Small. Coastal Louisiana, Texas, Mississippi. 28-71" (70-180 cm). Pale to dark blue; signal ridge yellow. 2n=44.
- I. hexagona* Wal. Florida, Georgia, South Carolina. 12-35" (30-90 cm). Bluish purple, lavender, sometimes white; signal yellow. 2n=44
- I. nelsonii* Randolph. Louisiana. 28-43" (70-110 cm). Reddish-purple, sometimes yellow. Formerly 'Abbeville Reds'.

Series *Laevigatae* (Diels) Lawrence

- I. ensata* Thunb. Japan, northern China, eastern Asia. 24-35" (60-90 cm). Purple or reddish-purple, yellowish haft. 2n=24. Syn *I. kaempferi* Sieb
- I. laevigata* Fischer. Eastern Asia, Japan. 30-36" (76-160 cm.) Blue-purple or white, white signal. 2n=32.
- I. maackii* Maxim. Northeastern Asia. 32" (81 cm). Yellow. Fl. only 2" (5 cm) in diameter. Zhao keeps this as a separate species.
- I. pseudacorus* L. Europe, western Siberia, Caucasus, Iran, Turkey, North Africa. Introduced in eastern Asia, North America. 30-63" (75-160 cm). Yellow; sometimes with darker yellow signal, ringed or veined brown. 2n=34. Syn. *I. acoroides*.
var. *bastardii* (Spach.) Dykes. Lacks the darker yellow zone on the falls. Dykes: unblotched pale yellow occasional in normal populations, many places.
var. *mandschurica* Hort. Pale yellow
- I. versicolor* L. Eastern North America. 8-31" (20-80 cm). Light to dark blue, bluish-violet, reddish-violet, pink or white. 2n=105, 108

- I. virginica* L. Southeastern United States. 12-39" (30-100 cm). Blue, violet, lilac, lavender or occasionally pinkish-lavender or white. 2n=70, 71, 72. Syn. *I. caroliniana*, *I. georgiana*.
var. *shrevei* (Small) Anders. Mississippi Valley. Lavender to bluish violet; white. 2n=70 Syn. *I. shrevei*

Series *Chinensis* (Diels) Lawrence

- I. henryi* Baker. Central China. 6-10" (15-25 cm). White, blue or violet.
- I. koreana* Nakai. Korea. Yellow. .
- I. minutoaurea* Makino. Korea, China, cultivated in Japan. 3-4" (8-10 cm). Standards yellow; falls deeper yellow, with brown markings; style arms deeper yellow. 2n=22. Syn. *I. minuta*
- I. odaesanensis* Lee. Korea. 8" (20 cm). Standards white; falls white with frilly ridge on the hafts
- I. proantha* Diels. China. 3-5.5" (8-14 cm). Blue, pink, or white, ringed darker around a yellow crest. Syn. *I. pseudorossii*
var. *valida* (Chien) Y. T. Zhao. China. 11" (28 cm). Syn. *I. pseudorossii* var. *valida*
- I. rossii* Baker. Northern China, Korea, Japan. 4-6" (10-15 cm). Purple or violet; falls marked violet and yellow. 2n=34
- I. speculatrix* Hance. Hong Kong, Canton, Lantao Island, Fukien. 8-10" (20-25 cm), Lavender. Leaves are short and evergreen. 2n=44 Syn. *I. grijsii*, *I. cavalierei*.

Series *Vernae* (Diels) Lawrence

- I. verna* L. Vern. Southeastern United States. 3-4" (8-10 cm). Lilac-blue, rarely white; orange median stripe on falls. 2n=42.

Series *Ruthenicae* (Diels) Lawrence

- I. ruthenica* Ker-Gawl. Eastern Europe and Asia. 1-6" (3-15 cm). Violet; fragrant. 2n=84. Syn. *I. caespitosa*.
var. *brevituba* Maxim. Violet. Perianth tube shorter than the type.
var. *nana* (Maxim.) Mathew. Pale blue or violet. Smaller than type.
- I. uniflora* Pallas ex Link. Eastern Siberia, China. 8-20" (20-50 cm). Violet. 2n=28, 40, 42.
var. *caricina* Kitagawa.. Northern China. 4" (10 cm). A dwarf variant.

Series *Tripetalae* (Diels) Lawrence

- I. hookeri* Penny. Labrador to Nova Scotia and Maine. 10-20" (25-30 cm), lavender blue. Syn. *I. setosa* subsp. *canadensis*
- I. setosa* subsp. *setosa* Pallas ex Link. Eastern Asia, Yukon, Alaska., 6-35" (15-90 cm). Blue to purple, occasionally pink or white. 2n=38. Syn. *I. arctica*
subsp. *hondoensis* Honda. Japan. 30" (75 cm). Possibly 3n. Large purple flowers.
subsp. *interior* (Anders.) Hult. Alaska. Inland as opposed to coastal.
var. *arctica* (Eastw.). Alaska. Dwarf. Purple, variegated white. Syn. *I. arctica*

var. *nasuensis* Hara.. Japan. 40" (100 cm).
Large flowers.

I. tridentata Pursh. Southeastern United States. 12- 28"
(30-70 cm). Blue-violet to dark violet; fragrant.
Syn. *I. tripetala*

Series *Sibericae* (Diels)Lawrence

I. bulleyana Dykes. Southwestern China. 14-18" (35-45
cm). Standards blue to violet; falls mottled and
striped blue-violet on a white ground. 2n=40.

I. chrysographes Dykes. China, Burma. 14-18" (35- 45
cm). Reddish-violet to deep black with or
without signal of gold lines. 2n=40.

I. clarkei Baker. Nepal, Sikkim, Bhutan, northeastern
India, Yunnan, Tibet, upper Burma. 24" (60
cm). Blue to-violet with obvious signal. 2n=40.
Syn. *I. himalaica*

I. delavayi Micheli. Southwestern China. 24"-47" (60-
120 cm). Light to dark blue violet; white signal.
2n=40

I. dykesii Stapf. 36" (91 cm). Origin unknown. Deep
violet-purple, signal of white and yellow veins.
2n=40. Plants available today may not match
Dykes' clone. Probable hybrid.

I. forrestii Dykes. China and northern Burma. 14-16"
(35-40 cm), sometimes as dwarf as 6" (15cm).
Yellow; signal of dark lines and spots; fragrant.
2n=40.

I. phragmitetorum Handel-Mazzetti. China. 20" (50 cm).
Dark blue; signal white, blue veined.

I. sanguinea Hornem. ex Donn. East of Lake Baikal to
China, Korea, Japan. 12-30" (30-75 cm). Blue
to red-violet with white signal, rarely white.
2n=28. Syn. *I. nertschinskia*, *I. orientalis* Thunb.
non Miller, *I. sibirica* var. *sanguinea*, *I. sibirica*
var. *orientalis*

I. sibirica L. Italy, eastern Europe to Lake Baikal,
Turkey, Caucasus. 20-40" (50-100 cm). Blue-
violet, occasionally white. 2n=28. Syn. *I.*
angustifolia

I. typhifolia Kitagawa. Northeastern China, Inner
Mongolia. 24-30" (60-75 cm). Deep blue-violet,
brown at the hafts. 2n=28.

I. wilsonii C. H. Wright. China. 24-30" (60-75 cm).
Yellow, brown-veined signal; fragrant. 2n=40.

Series *Tenuifoliae* (Diels)Lawrence

I. bungei Maxim. Northern China to eastern Mongolia.
6-12" (15-30 cm). Standards violet.,falls striped
violet.

I. cathayensis Migo. China: Anhui, Jiangsu, Hubei. 6-
10" (15- 25 cm). Violet

I. kobayashii Kitagawa. Northeastern China. 4-6" (10-15
cm). Blue with yellow markings.

I. loczyi Kanitz. Northeast Iran, Afghanistan, Tien Shan
& Pamir Mtns., Baluchistan, China, Tibet,
Mongolia. 6-12" (15-30 cm). Standards pale
lavender-blue;falls veined blue-violet on a white
or pale cream ground. Syn. *I. tianschanica*

I. polysticta Diels. China: Sichuan, Yunnan, Tibet. 12"
(30 cm). Yellow, netted purple-violet. Syn. *I.*
farreri (uncertain). Mathew revision and Zhao
remove from Spu. to Ten.

I. qinghainica Y. T. Zhao. Qinghai, China. 4" (10 cm.)
Blue or violet.

I. songarica Schrenk. Central and eastern Asia: Iran,
Turkey, Pakistan, Afghanistan, Russian central
Asia, Mongolia, northern China. Up to 32" (80
cm). Dull lavender-blue to violet.

I. tenuifolia Pallas. Kazakhstan, Russian central Asia,
Mongolia, western China. 4-12" (10-30 cm).
Pale lilac to bluish-violet;falls veined on cream
ground. Syn. *I. regelii*

I. ventricosa Pallas. Mongolia, northwestern China,
Siberia. 3-8" (8-20 cm). Violet.

Series *Californicae* (Diels)Lawrence

I. bracteata Watson. Oregon & California. 12" (30 cm).
Cream to yellow;falls veined brown or reddish-
purple. 2n=40.

I. chrysophylla Howell. Oregon & California. 4-10" (10-
25 cm). Cream or very pale yellow with dark
veining. 2n=40.

I. douglasiana Herb. Oregon and California. 6-28" (15-
70 cm). Flower color variable: white, cream,
light or dark lavender to deep red-purple.
2n=40. Syn. *I. watsoniana*

I. fernaldii R. C. Fos. California. 8-18" (20-45 cm).
Creamy yellow, variously veined. 2n=40.

I. hartwegii subsp. *hartwegii* Baker. California. 4-12"
(10-30 cm). Pale yellow, deep yellow, lavender.
2n=40.

subsp. *australis* (Pish) Lenz. Cal. San Gabriel
and San Bernardino Mtns., California. Up to
16" (40 cm). Dark purple or bluish-violet. Syn.

I. tenax var. *australis*
subsp. *columbiana* Lenz. Tuolumne Co.,
California. Pale yellow, veined gold.

subsp. *pinetorum* (Eastw.) Lenz. Plumas Co.,
California. Cream, veined gold. Syn. *I.*
pinetorum

I. innominata Henderson. Oregon and California. 6-10"
(15-25 cm). Yellow, orange yellow, rust, lilac-
pink, blue or violet, sometimes bicolored.
2n=40.

I. macrosiphon Torrey. California. 6-10" (15- 25 cm).
Cream, yellow, lavender, blue with white signal;
fragrant. Syn. *I. amabilis*

I. munzii R. C. Fost. California. Up to 30" (75 cm). Blue
to deep reddish-purple. 2n=40.

I. purdyi Eastw. California. 8-14" (20-35 cm). Cream,
veined brownish purple or washed lavender on
thefalls 2n=40. Syn. *I. landsdaleana*

I. tenax subsp. *tenax* Douglas ex Lindl. Oregon and
Washington. 6-14" (15-35 cm). Lavender, blue,
violet, white, cream, or yellow. 2n=40.
var. *gormanii* (Piper) Fos. Oregon. Yellow.
Syn. *I. tenax*

subsp. *klamathensis* Lenz. California. Buff to
pink, veined brown or maroon. 2n=40.

I. tenuissima subsp. *tenuissima* Dykes. California. 6-12"
(15-30 cm). Cream veined purple. 2n=40. Syn.
I. citrina, *I. humboldtiana*
subsp. *purdyiformis* (R. C. Fos.) Lenz.
California 12-14" (30-35 cm). Cream, veined
lavender.

Series *Longipetalae* (Diels)Lawrence

- I. longipetala* Herb. California. 12-24" (30- 60 cm).
White, veined violet; yellow signal. 2n=86, 88.
- I. missouriensis* Nutt. Western North America, Canada to Mexico. 24" (60 cm.) Standards blue or lavender;falls veined blue or violet on a white ground, or color nearly solid with a "peacock's eye" signal; raised mid-line ridge flanked in yellow. 2n=38. Syn. *I. tolmieana*.
- I. pariensis* Welsh. Utah. 3-10" (7-24 cm). White
Henderson suggests this as belonging to *I. missouriensis*. Status uncertain.

Series *Prismaticae* (Diels)Lawrence

- I. prismatica* Pursh, ex Ker-Gawl. Nova Scotia to the Carolinas. 12-31" (30-80 cm). Pale violet, violet-blue, pink or white. Haft greenish-white veined violet. 2n=42.
var. *austrina* Fernald. Southern Appalachian Mtns.: Georgia and Tennessee; a larger form.

Series *Spuriae* (Diels)Lawrence

- I. crocea* Jacq. Kashmir. Up to 60" (150cm). Deep golden-yellow. 2n=40. Syn. *I. aurea*
- I. graminea* Linn. Central and southern Europe, Spain to Russia; Crimea, Caucasus. 8-16" (20-40cm). Standards red-violet;falls violet with white center veined violet; style arms purple; hafts green or brownish tinted; fragrant. 2n=34. Syn. *I. colchica*
var. *achtaroffii* Prodan. Yellowish-white flowers.
var. *pseudocyperus* (Schur) Beck. Czech Republic, Romania, Transylvania, Slovakia. Larger and more robust than the type; unscented.
- I. kerneriana* Ascher. & Sint. Northern Turkey. 8-12" (20-30 cm), rarely up to 22" (55 cm). Pale yellow or deep cream, with deeper yellow signal; slightly fragrant. 2n=18. Syn. *I. graminifolia*
- I. lilacina* Borbas. Origin unknown. 20-39" (50-100cm.). Lilac, lavender. 2n=44. Relationship to *I. spuria* unclear. Horticulturally distinct.
- I. longipedicellata* Czech. Central Turkey, 14-16" (35-40 cm.) Pale yellow; sometimes regarded as syn. *I. orientalis* Status uncertain
- I. ludwigii* Maxim. Altai Region, Russia. Stem 1" (2-3 cm). Violet-blue. Not in cultivation. 2n=38. Rodionenko has proposed Series *Ludwigia* for this species.
- I. monnieri* De Candolle. Rhodes, not proven. 40-50" (100-127 cm). Lemon yellow. 2n=40. A hybrid of *I. orientalis* according to Mathew, perhaps with *I. xanthospuria*
- I. orientalis* Miller. 16-35" (40-90 cm). White with a large yellow signal. Syn. *I. albida*, *I. ochroleuca*
- I. pontica* Zapal. Spu. Central & northeastern Romania, western Ukraine, Caucasus. Stem 4" (10 cm). Violet, finely veined darker all over, white area in center offalls and on hafts. 2n=72. Syn. *I. humilis*, *I. marschalliana*

- I. pseudonotha* Galushko. Spu. Caucasia 24-30" (60-76 cm.) Light lilac, yellow signal.
- I. sintenisii* subsp. *sintenisii* Janka. Yugoslavia, Romania, southwestern Russia, Bulgaria, Albania, Greece, Turkey. 4-12" (10-30 cm). Blue-violet;falls white ground with violet veins. 2n=16, 32. Syn. *I. lorea*, *I. urumovii* subsp. *brandzae* (Prodan) Webb & Chater. Northeastern Romania.Damp saline habitat; leaves very narrow. Syn. *I. brandzae* var. *urumovii* Velen. Kohlein & BIS Guide to Species iris treat this as a variety, not a species.
- I. spuria* L. Spu. Europe, Algeria, Iran, central Asia. Mathew suggests the following divisions:
subsp. *carthalinae* (Fomin) Mathew. Caucasus to Georgia (Central Asia). 36-40" (90-100 cm), sky blue or white. 2n=44 Syn. *I. carthalinae* subsp. *demetrii* (Akhv. & Mirz.) Mathew. Transcaucasia, Azerbaijan, Armenia. 28-35" (70-90 cm). Blue violet veined darker, also white. 2n=38. Syn. *I. demetrii*, *I. prilipkoana* subsp. *halophila* (Pallas) Mathew & Wendelbo. European Russia to central Asia, Iran, Afghanistan, China, Mongolia, Siberia. 16-35" (40-90 cm.) Pale to dark yellow with darker veining. 2n=44. Syn. *I. desertorum*, *I. gueldenstaediana*, *I. halophila*, *I. stenogyna* subsp. *maritima* (Lam.) Fourn. Central Spain, southeastern France. 12-20"(30-50 cm). Blue-violet, veined on white. 2n=38. Syn. *I. maritima*
subsp. *musulmanica* (Fomin.) Takht. Armenia, Azerbaijan, Iran, Turkey.16-35" (40-90 cm). Pale to deep violet,veined darker, sometimes white; yellow signal. 2n=44. Syn. *I. daenensis*, *I. klattii*, *I. musulmanica*, *I. violacea* subsp. *notha* (M. Bieb.) Aschers. & Graebn. Northern Caucasus. 28-35"(70-90 cm). Blue to bluish-violet. 2n=38 Syn. *I. notha* subsp. *sogdiana* (Bunge) Mathew. Afghanistan, Iran, Kashmir, Pakistan, Russian central Asia to Mongolia and China. 4-14" (10-35 cm). Pale violet. 2n=44. Syn. *I. lilacina*, *I. sogdiana*. subsp. *spuria*. Central Europe. 20-32" (50- 80 cm). Lilac, veined violet; yellow signal. 2n=22. Syn. *I. subbarbata*. *I. spuria* var. *danica* Dykes. Syn. *I. spuria* subsp. *spuria*.
I. var. *subbarbata* (Joo) Dykes. Spu. Syn. *I. spuria* subsp. *spuria*
- I. xanthospuria* Mathew & Baytop. Turkey. 20-39" (50-100 cm). Yellow. 2n=40. Formerly known as "Turkey Yellow".

Series *Foetidissima* (Diels)Lawrence

- I. foetidissima* L. Western Europe, Morocco, Algiers, the Azores, the Canaries. 12-35" (30-90 cm). Dull beige-blue blend. 2n=40.

Series *Ensatae* (Diels)Lawrence

- I. lactea* Pallas. Northeastern Afghanistan, Kazakhstan, Russian central Asia, Tibet, China, Mongolia, Korea 2-16" (6-40 cm). Pale bluish-violet to white. 2n=40, 44, 50. Syn. *I. biglumis*, *I. ensata* Dykes et al., non Thunberg, *I. fragrans*, *I.*

iliensis, *I. moorcroftiana*, *I. oxypetala*, *I. pallasii*, *I. triflora*.
 var. *chinensis* (Fisch.) Koidz.. China. Blue, violet.
 var. *chrysantha* Y. T. Zhao. Tibet. Yellow.

Series *Syriacea* (Diels)Lawrence

- I. grant-duffii* Baker. Lebanon, Israel, Syria. 9-12" (25-30 cm). Pale greenish-yellow, dotted black or veined purple. Syn. *I. aschersonii*, *I. melanosticta*. One of only two species in this series according to Mathew. 2n=24.
- I. masia* Stapf ex Fos. Southeastern Turkey, north and central Syria, Iraq. 10-28" (25-70 cm). Violet-blue with veining, heavier on the falls. falls have white ground. Syn. *I. caeruleo-violacea* (Gombault) Mouterde. 2n=24. One of only two species in the series according to Mathew.
- I. melanosticta* Bornm. Southern Syria, northern Jordan. 12-30" (30-70 cm). Yellow with few black veins on the falls. Sometimes included in *I. grant-duffii* Baker. 2n=24.

Series *Unguiculares* (Diels)Lawrence

- I. lazica* Alboff. Black Sea, southwestern Caucasia. 6-10" (15-25 cm). Medium violet blue, yellow median stripe on falls 2n=32
- I. unguicularis* subsp. *unguicularis* Poir. Algeria, Tunisia, possibly Morocco. 4-8" (6-20 cm); leaves 18-38" (45-60 cm). Lavender, rarely pink, or white; yellow signal. 2n=38, 40, 48, 50. Syn. *I. stylosa* subsp. *cretensis* (Janka) Davis & Jory. Greece; the Aegean Islands of Crete and possibly Saria. 2n=40. Syn. *I. cretensis*. subsp. *carica* (W. Schulze) Davis & Jory. Greece, Peloponnesus, Turkey, Syria, Lebanon. subsp. *carica* var. *carica* (W. Schulze) Davis & Jory. Greece: the east Aegean Islands of Cos & Rhodes, southwestern Turkey. subsp. *carica* var. *angustifolia* (Boiss & Heldr.) Davis & Jory. Greece: the Ionian Islands, Peloponnesus and the Aegean Islands. 2n=40 subsp. *carica* var. *syriaca* (W. Schulze) Davis & Jory. Eastern Turkey, Syria & Lebanon.

Section *Ophiris* Zhao

- I. anguifuga* Y. T. Zhao ex Xue. Hubei, China. 12-20" (30-50 cm). Violet or blue, spotted purple. Mathew revision includes it in Series *Tenuifoliae*. Zhao prefers Section *Ophioiris*

Subgenus *Iris* (Lawrence)Mathew

Dryland
Rhizomes

Bearded
Groups

Arillate Seed

Section *Oncocyclus* (Siemssen) Baker

- I. acutiloba* subsp. *acutiloba* C. A. Meyer. Transcaucasia. 3-10" (8-25 cm). Cream or pale violet, veined purple. Syn. *I. fominii*, *I. szovitsii* 2n=20.
- I. acutiloba* subsp. *lineolata* (Trautv.) Mathew & Wendelbo. Transcaucasus, Turkmenistan. Cream or buff, veined brown or purple. Syn. *I. ewbankiana*, *I. helena*, *I. lineolata* 2n=20
- I. antilibanotica* Dinsm. Syria. 10-16" (25-40 cm). Dark red violet bitone. 2n=20.
- I. assadiana* Chaudh., Kirkw. & Weym. Syrian desert. 6" (15 cm). Maroon to black, veined darker. Syn. *I. barnumae* var. *zenobiae* Mouterde in part.
- I. atrofusca* Baker. Israel: Judea and Negev deserts. 8-12" (20-30 cm). Standards wine colored;falls dark purple brown, occasionally yellow. 2n=20. Flora Palaestina, vol. 4 (1986), broadens this species to include *I. jordana*, *I. atropurpurea* var. *gileadensis*, *I. hauranensis* and *I. loessicola* Distribution N. Negev, Judean Desert, E. Samaria, the Beit Shan Valley, South Golan, Gilead (Mathew, revision).
- I. atropurpurea* Baker. Israeli Coastal Plain. 6-10" (15-25 cm). Standards blackish-purple;falls same but darker, yellow beard, black signal. 2n=20.
- I. auranitica* Dinsm. Jab Kulavb, El Hauran, Syria. 20" (50 cm). Yellow, spotted and veined brown, appearing bronze; yellow beard tipped purple; maroon or reddish signal. 2n=20.
- I. barnumae* subsp. *barnumae* Fos. & Baker. Egypt, Palestine, eastern Turkey, Iran, northeastern Iraq. 4-12" (10-30 cm). Purplish-violet; small darker signal. 2n=20.
- I. barnumae* subsp. *demavendica* (Bornm.) Mathew & Wendelbo. Northern Iran. Bluish-violet; white or creamy beard. Syn. *I. demavendica*
- I. basaltica* Dinsm. Syria. 28" (70cm), White or pale green veined and dotted purple black; Standards lighter than falls; dark signal; beard maroon or brownish purple, tipped yellow. 2n=20.
- I. bismarkiana* Damm. & Spreng ex Regel. Mount Hermon, Israel. 20" (50 cm). Standards white,

heavily dotted and veined blue purple; falls cream or yellow ground, densely dotted and veined red brown to purple, large dark purple signal; dark purple beard. $2n=20$. Syn. *I. nazarena*

- I. bostrensis*** Mouterde. Southern Syria. 4-6" (10-15 cm). Heavily spotted and veined deep purplish brown on a yellow green or pale brown ground; signal velvety, deep maroon; beard yellow, tipped purple. Syn. *I. atropurpurea* var. *purpurea* $2n=20$
- I. camillae*** Grossh. Transcaucasia. 8-16" (20-40 cm), Color highly variable; many color forms described. $2n=20$
- I. cedretii*** Dinsm. ex Chaudh. Northwest Lebanon. 12-16" (30-40 cm), White, densely veined and spotted maroon; dark maroon signal patch, brownish or purplish beard. $2n=20$
- I. damascena*** Mouterde. Syria. 6-12" (15-30 cm). Bitone, purplish-brown, veined and spotted on creamy white ground; dark purple signal; purple beard. $2n=20$
- I. elizabethae*** Siehe. Southern or central Turkey. Straw-yellow, veined purplish-brown; large deep purplish-red signal; yellow beard. Related to *I. acutiloba* subsp. *lineolata*. Syn. *I. ewbankiana* var. *sprengeri*, *I. sprengeri*. Position uncertain. $2n=20$
- I. gatesii*** Fos. Southeastern Turkey, northeastern Iraq. 18-24" (45-60 cm). Grayish to purplish-brown, variable. $2n=20$.
- I. grossheimii*** Woron. Southern Transcaucasia. 5" (13 cm). Pink to dark red-toned bitone blend; blackish-brown signal. Probably a hybrid between *I. lineolata* and *I. lycotis*. $2n=20$
- I. haynei*** Baker. Mount Gilboa, northeast of Jinin, Israel. Dark purple to brownish purple, heavily dotted, blackish-purple signal; occasionally golden yellow with red signal. Syn. *I. biggeri*. $2n=20$
- I. hermona*** Dinsm. Mount Hermon, Israel. 15-18" (38-46 cm). Standards cream or whitish, some veining; falls creamy-yellow, veined brownish-purple; signal purplish-brown, beard brownish purple. $2n=20$
- I. heylandiana*** Boiss. & Reut., ex Boiss. Iraq. 6-16" (15-40 cm). Dark veined on a pale ground.
- I. iberica*** subsp. *iberica* Hoffm. Caucasus. 6-8" (15-20 cm). Purple brown lines and dots on variable pale ground. $2n=20$.
subsp. *elegantissima* (Sosnow.) Fedor. & Takht. Northeastern Turkey, northwestern Iran, Armenia. 8-12" (20-30 cm), Cream or pale yellow ground with dark markings on the falls $2n=20$. Syn. *I. elegantissima*. subsp. *lycotis* (Woron.) Takht. Armenia, northwestern and western Iran, Iraq, northeastern and southeastern Turkey. 12" (30 cm). Brownish-purple; entire flower heavily veined and dotted. Syn. *I. lycotis* $2n=20$
- I. keredjensis*** Parsa. Iran. 12" (30 cm). Lilac-white to bluish-white; deep violet beard.
- I. kirkwoodii*** subsp. *kirkwoodii* Chaudh. Northern Syria, Turkey. 30" (75 cm). White or pale greenish, veined and dotted dark purple; deep purple signal; purple or brownish-purple beard. $2n=20$
subsp. *calcarea* Dinsm. ex Chaudh. Northern Syria. Standards light blue, veined dark purple;

falls pale green, veined and dotted dark purplish-red; velvety maroon signal; maroon beard. Syn. *I. calcarea*. $2n=20$

var.

- macrotepala*** Chaudh. Syria. Similar to *I. kirkwoodii* subsp. *kirkwoodii* Chaudh. but with larger falls, purple or golden beard.
- I. lortetii*** Barbey. Southern Lebanon near Israeli border. 12-20" (30-50 cm). White, veined and dotted pink or maroon; deep maroon signal. $2n=20$.
var. *lortetii*. Pale pink.
var. *samariae* (Dinsm.) Feinbrun. Onco. Purple brown on a cream ground. $2n=20$. Syn. *I. samariae*
- I. mariae*** Barbey. Southern Israel, Sinai. 6-10" (15-25 cm). Lilac-purple to pinkish or violet with deeper veining; blackish-violet signal; purple beard. $2n=20$. Syn. *I. helenae* Barbey, not *I. helena* (Koch) Koch.
- I. meda*** Stapf. Iran. 4-10" (10-25 cm), Cream or whitish ground heavily veined and suffused golden brown; signal purple or brown; beard yellow. Syn. *I. fibrosa* $2n=20$
- I. nigricans*** Dinsm. Jordan. 8-12" (20-30 cm), Brownish or blackish-purple; black signal patch. $2n=20$.
- I. nectarifera*** Guner. Turkish-Syrian border. 10-16" (25-40 cm). Creamy-white or yellowish, veined with brown or purple-brown; brownish-maroon signal, yellow beard.
var. *mardinensis* Guner. Syria
- I. paradoxa*** Steven. Armenia, Iran, Turkey. 4-10" (10-25 cm). Standards purple or violet; falls darker; blackish beard. $2n=20$.
- I. petrana*** Dinsm. Jordan, Israel. 8-10" (20-25 cm). Dark brown to dark purple. $2n=20$
- I. sari*** Schott ex Baker. Turkey. 4-12" (10-30 cm), Veined crimson or purple-brown over cream, pale yellow, or greenish ground; signal crimson or brown; beard yellow. $2n=20$. Syn. *I. manissadjianii*, *I. lupina*.
- I. schelkownikowii*** Fomin. Russian Azerbaijan. Standards veined dark brown or violet, darker than falls also other color forms; signal patch purple; yellow beard; slightly fragrant. May be a hybrid. $2n=20$ Syn. *I. acutiloba* var. *schelkownikowii*
- I. sofarana*** subsp. *sofarana* Fos. Lebanon. 12-16" (30-40 cm), Cream ground, densely veined and spotted purple brown or violet; standards paler and with finer dots than falls; blackish-purple signal; dark purple beard. $2n=20$.
subsp. *kasruwana* (Dinsm.) Chaudh. Lebanon. Coloring similar to *I. sofarana* Fos., with depth of color about the same on standards and falls Syn. *I. kasruwana* $2n=20$
- I. sprengeri*** Siehe. 4" (10 cm). Standards silvery-white veined purplish-red and black; falls yellow spotted and veined purplish-red; golden-yellow beard. Considered by some to be a *I. elizabethae*.
- I. susiana*** L. Turkey. Stems 12-15" (30-38 cm.) Grayish ground, heavily veined and spotted darker; signal black. $2n=20$. Long in cultivation in Turkey. Mathew: "bears a great resemblance to *I. sofarana* and *I. basaltica* and may be a form of one of these..."

- I. swensoniana* Chaudh., Kirkw. & Weym. Onco. Syria. 16" (40 cm). falls purple-black; standards lighter purple; signal dark maroon-black; beard yellow, tipped purple. Syn. *I. barnumae* var. *zenobiae*.
- I. westii* Dinsm. Lebanon. 12" (30 cm). Standards pale lilac veined darker; falls pale yellow, veined and blotched chocolate-purple; chocolate signal; purple beard. 2n=20. Recently restored to species status after being treated as a color form of *I. sofarana*.
- I. yebrudii* subsp. *yebrudii* Dinsm. ex Chaudh. Syria. 6-7" (15-18 cm). Standards yellow, lightly veined and dotted purple; falls yellow veined and speckled brownish-purple; dark purple signal; purple beard. 2n=20.
subsp. *edgecombii* Chaudh. Variant with larger flowers; standards white, veined maroon; falls pale yellow or greenish, veined and dotted reddish-purple; maroon-purple signal.

Section *Regelia* Lynch

- I. afghanica* Wendelbo. Northeastern Afghanistan. 6-14" (15-35 cm), Standards pale yellow; falls cream or white ground with heavy purple-brown veining; beard green. 2n=22
- I. darwasica* Regel. Russian central Asia: northeast Afghanistan, Tadjikistan. 6-16" (15-40 cm), Lilac or greenish buff veined purple; purple beard. 2n=22. Syn. *I. suworowii*
- I. heweri* Grey-Wilson & Mathew. Afghanistan. 4-6" (10-15 cm) rarely, 12" (30 cm), Purplish-blue; beard lilac. 2n=22
- I. hoogiana* Dykes. Turkestan. 16-24" (40-60 cm), blue; yellow beard. 2n=44.
- I. korolkowii* Regel. Central Asia, Tien Shan, Pamir-Altai Mtns., northeastern Afghanistan. 16-24" (40-60 cm). Veined dark maroon on an ivory or lavender ground; dark signal; dark beard. 2n=22, 33, 44.
- I. kuschkenensis* Grey-Wilson & Mathew. Afghanistan. 12-20" (30-50 cm). Purple to purplish-bronze veined deeper; beard pale purple
- I. lineata* Fos. ex Regel. Central Asia, northeastern Afghanistan. 6-14" (15-35 cm). Greenish-yellow ground veined brown or purple; blue beard. 2n=22, 44. Syn. *I. karategina*
- I. stolonifera* Maxim. Central Asia: Pamir-Altai Mtns. 12-24" (30-60 cm). Blended browns and purple; yellow or blue beard. 2n=44. Syn. *I. leichtlinii*, *I. vaga*

Section *Hexapogon* (Bunge) Baker

- I. falcifolia* Bunge. Central Asia. 4-8" (10-20 cm). Lilac-violet, veined darker. Syn. *I. filifolia* 2n=18
- I. longiscapa* Ledeb. Russian central Asia. 20-30" (50-75 cm). Lilac-violet; beard yellow. 2n=18.

Section *Psammiris* (Spach) J. Taylor

- I. bloudowii* Bunge ex Ledeb.. Siberia, central Asia: Tien Shan Mtns., northeastern China, Mongolia. 6-14" (15-35 cm). Yellow stained brown; yellow beard. 2n=22, 26.
- I. curvifolia* Y. T. Zhao. China: Xinjiang. 3-4" (8-10 cm). Yellow with brown lines; yellow beard.
- I. humilis* Georgi. Eastern Europe, southeastern Russia, Asiatic Russia, Siberia, Mongolia. 2-10" (5-25 cm), Yellow. Syn. *I. arenaria*, *I. dahurica*, *I. flavissima* subsp. *stolonifera*, *I. pineticola*. 2n=22.
- I. mandschurica* Maxim. Eastern Russia, Manchuria, possibly Korea. 4-6" (10-15 cm), Yellow, falls veined brown-purple. 2n=34
- I. potaninii* Maxim. Western China, central and eastern Tibet. Dwarf; flower stem subterranean. Yellow; yellowish or whitish beard. 2n=22. Probably will be transferred to *Pseudoregelias*. Syn. *I. thoroldii*. *I. potaninii* var. *ionantha* Y. T. Zhao. Psam. Violet.

Section *Pseudoregelia*

- I. dolichosiphon* subsp. *dolichosiphon* Noltie. Bhutan, China. Violet, mottled darker; beards white, tipped orange. 2n=22.
subsp. *orientalis* Noltie. China, India, Burma. More blotching on falls
- I. goniocarpa* subsp. *goniocarpa* Baker. Western China, Nepal, southern Tibet, Himalayas. 4-12" (10-30cm), Lavender-blue, mottled darker, rarely white. Syn. *I. gracilis* var. *grossa* Y. T. Zhao. 12" (30 cm) Sichuan, Yunnan, Tibet. var. *tenella* Y. T. Zhao. 8-9" (20-23 cm). Qinghai, China
- I. hookeriana* Fos. Kashmir, India, Himalayas. 2-5" (5-12 cm), Lilac, purple or blue, mottled darker. Fragrant. 2n=22, 24.
- I. kemaonensis* D. Don ex Royle. India, Himalayas, Kashmir, southwestern China, Tibet. 4-5" (10-12 cm). Lilac-purple mottled and blotched darker; white beard tipped yellow; fragrant. 2n=22, 24 Syn. *I. kamaonensis*
- I. leptophylla* Ling. China. 6-14" (15-35 cm). Violet (pinkish-lavender) with dissected crest on falls, fragrant. Originally placed in *Nep.*; Mathew suggests it may belong in *Psreg.* Status uncertain
- I. narcissiflora* Diels. China: Sichuan. 8-10" (20-25 cm). Yellow; very narrow beard on the falls. May belong in *Psregelias* but status uncertain.
- I. pandurata* Maxim. Gansu and Qinghai, China. 1-5" (3-12 cm) stem length. Reddish purple with yellow beard
- I. sichuanensis* Y. T. Zhao. China: Gansu and Sichuan. 5-8" (13-20 cm). falls violet with yellowish beard or crest. Similar to *I. leptophylla*
- I. sikkimensis* Dykes. Presumably Sikkim. 6" (15 cm). Lilac or purple, mottled darker.
- I. tigridia* Bunge ex Ledeb. Mongolia, northwestern China, adjacent Russian Asia. 4-6" (10-15 cm). Lavender to blue, mottled purple; white beard, tipped yellow. 2n=22. (also additional counts of 20, 28, 32, 38, 40).
var. *fortis* Y. T. Zhao. China: Jilin, Inner Mongolia, Shanxi. 4-8" (10-20 cm). Violet.

Non Arillate Seed

Section *Iris* (Lawrence)

Mathew

Natural or ancient hybrids

- I. albicans* Lange. Saudi Arabia, Yemen. 12-24" (30-60 cm). Pure white or blue, greenish-yellow flush to the hafts, fragrant. White beard tipped yellow. 2n=44, 48. Syn. *I. majoricensis*
- I. biliottii* Fos. Black Sea, Turkey. 24-31" (60-80 cm). Standards bluish-purple; falls reddish purple. 2n=44; not known as wild plants.
- I. germanica* L. Possibly of Mediterranean origin, now widespread in cultivation. 25-30" (60-75 cm). Blue to violet bitone. 2n=44. Note: Although Mathew lists several 2n=48 plants here, we are restricting this name to the 2n=44 plants of obvious hybrid origin. The 2n=48 entities we have left under their long-familiar names, making no attempt to determine relationships. We agree with Mathew that they may well be ancient vegetatively propagated clones rather than valid species. Many synonyms.
- I. kashmiriana* Baker. Kashmir, Afghanistan, Iran, possibly introduced. 30-49" (65-125 cm). White or pale lilac-blue; white beard tipped yellow; fragrant. 2n=24, 28, 44, 48. Syn. *I. bartonii*.

Deploid tall species 2n=24

- I. albertii* Regel. Turkestan, Kazakhstan, Asiatic Russia. 12-28" (30-70 cm), Lavender to purple-violet veined brownish-red, whitish or pale blue beard. 2n=24.
- I. furcata* Bieb. Caucasus mountains between Black Sea and Caspian Sea. 6-9" (15-23 cm). Purple to blue-violet. 2n=24. Although it looks like a dwarf aphylls, Rodionenko considers this distinct from *I. aphylla*. Randolph & Mitra found the chromosomes to be very different from those of *I. aphylla*.
- I. imbricata* Lindl. Caspian Sea, Iran, eastern Transcaucasia. 12-24" (30-60 cm). Pale yellow; hafts veined brown; beard yellow. 2n=24. Blue forms noted by Rodionenko. Related to *I. taochia*. Syn. *I. obtusifolia*, *I. sulphurea*, *I. talischii*
- I. pallida* Lam. subsp. *pallida*. Northern Italy, Slovenia, Croatia, Bosnia. 16-43" (40-110cm.) Lilac-blue; yellow beard; fragrant. 2n=24. Syn. *I. dalmatica*.
var. *dalmatica* Hort. Syn. *I. pallida* subsp. *pallida*.
I. pallida
var. *illyrica* (Tom.) Dykes. Syn. *I. pallida* subsp. *pallida*

subsp. *cengialtii* (Ambr.) Fos. Northeast Italy, Slovenia. 12-18" (30-45 cm). Deep blue-purple; white beard sometimes tipped yellow or orange. Syn. *I. cengialtii*

- I. perrieri* Simonet ex Fourn. Savoy Alps, southern France. 6-12" (15-30cm). Deep violet. 2n=24. Has been included with *I. aphylla* to which it is not related.
- I. purpureobracteata* B. Mathew & T. Baytop. Turkey. 12-20" (30-50 cm). Yellow or blue; conspicuous purple bracts.
- I. variegata* L. Central and eastern Europe. 8-18" (20-45 cm), Standards yellow; F. whitish or pale yellow, veined reddish-brown or violet; yellow beard. 2n=24. Syn. include *I. corygei*, *I. dragalzi*, *I. lepida*., *I. leucographa*, *I. reginae*, *I. rudskyi*. var. *pontica* Prodan. Romania. More robust form. 2n=24. Syn. *I. mangaliae*

Tetraploid tall species

- I. belouinii* Boiss. & Corn. Morocco. 36" (90cm.) Violet. 2n=48.
- I. croatica* Horvat. Croatia. 10-28" (26-70 cm). Bluish-violet. 2n=48. Mathew includes with *I. germanica*; Horvat felt it had affinities to *I. aphylla*. Status uncertain
- I. cypriana* Baker & Fos. Cyprus. 35" (90 cm). Bright lilac. 2n=48. Mathew includes with *I. germanica*. Status uncertain
- I. junonia* Schott & Kotschy. Southern central Turkey, endemic in Cilician Taurus. 20-26" (50-65 cm). White, pale cream, deep yellow, pale blue, purple. 2n=48 Relationship uncertain
- I. mesopotamica* Dykes. Southern Turkey, Syria, probably Israel. Probably not a wild plant. 35-47" (90-120 cm). Violet bitone. 2n=48.
- I. trojana* Kerner ex Stapf. Asia Minor. 24-28" (60-70 cm). Standards blue; falls reddish-purple; white beard tipped yellow; fragrant. 2n=48.
- I. varbossiana* Maly. Bosnia. 2n=24, 48. Blue-violet.

Dwarf species chromosome base of 8

- I. alexeenkoi* Grossh. Eastern Transcaucasia, Russia. 8-12" (20-30 cm), Purplish-blue to deep violet, yellow beard. 2n=32.
- I. attica* Boiss. & Heldr. Greece, Yugoslavia, western Turkey. 2-4" (5-10 cm). Warm white, yellow, mustard, blue, purple, sometimes bicolored; bright blue beards. 2n=16. Syn. *I. ochridana*, *I. pumila* subsp. *attica*.
- I. pseudopumila* Tineo. Sicily, Malta, Gozo, southeastern Italy, western Croatia. 6-10" (15-25 cm), Purple to violet, white or yellow, sometimes bicolored. 2n=16. Syn. *I. panormitana*
- I. pumila* subsp. *pumila* L. Yugoslavia, eastern Europe, Russia. 4-6" (10-15 cm). White, yellow, blue, purple, violet, bicolored; beards yellow or blue. 2n=30, 31, 32. Syn. *I. aequiloba*, *I. attica*. Many variants described by Prodan.
subsp. *taurica* (Loddiges) Rodionenko & Shevchenko. Widespread in former USSR, North Caucasus, Crimea and Volga Region. 2n=32 Syn. *I. taurica*

Aphylla relatives

- I. aphylla* L. Central and Eastern Europe. 6-12" (15-30 cm). Pale to dark purple or violet-blue. 2n=48. Many synonyms

I. babadagica Rzazade & Goln. Eastern Caucasus. 4-6" (10-15 cm). Purple-violet. Related to *I. furcata* according to Rodionenko.

40 chromosome species

I. bicapitata Colasante. Gargano Peninsula, Italy, 12-16" or more, (30-40cm.) Flowers variable from white to yellow to purples, selfs and bicolors; beard blue or white but tipped yellow. 2n=40.

I. lutescens Lam. Northeastern Spain, southern France, Italy. 2-12" (5-30 cm). Yellow, violet, rarely white; yellow beard. 2n=40. Syn. *I. chamaeiris*, *I. erratica*, *I. italica.*, *I. olbiensis*, *I. statellae*, *I. virescens*.

I. marsica I. Ricci & Colas. Central Italy, Abruzzes National Pk. 12-16" (30-40 cm). Violet. 2n=40

I. relictata Colasante. Italy. 12-16" (30-40 cm). Flower red-purple; beard white. 2n=40

I. revoluta Colasante. Italy. 26-28" (65-70 cm). Violet; fragrant. 2n=40.

I. sabina Terrac. Endemic to Mt. Gennaro, Italy. 8-10" (20-30 cm). Flowers dark red-purple; beards blue. 2n=40.

I. setina Colas. Sezze, Italy. Violet-purple. 11" (27 cm). Violet-purple. 2n=40.

I. subbiflora Brot. Portugal, Spain. 10-16" (25-40 cm). Purple, gray-blue, blue-violet or dark violet; beards white or violet, tipped yellow in throat. 2n =40.

var. *lisbonensis* (Dykes) Dykes. Stems more or less leafless; spathes green, not marked purple as in the species.

Reichenbachii relatives

I. falcata Babalonas & Papanicalou. Central Greece. 1 1/2- 2" (3-5 cm.) Pale yellow. May be related to *I. reichenbachii*. 2n=24. Name is invalid because of Tausch's prior use. Status uncertain.

I. glaucescens Bunge. North of the Aral Sea to east of Lake Balkash. 4 - 7" (8-18 cm). Blue-violet. Reestablished as a valid species by Shevchenko, having been included previously in *I. scariosa*. Syn. *I. eulefeldii*

I. griffithii Baker. Eastern Afghanistan, central Asia. 8-14" (20-35 cm). Purple. Known only from old herbium sheets. Status uncertain.

I. reichenbachii Heuff. Greece, Bulgaria, Romania. 4-12" (10-30 cm). Yellow or purple. 2n=24, 48. Syn. *I. balkana*, *I. bosniaca*, *I. macedonica*, *I. skorpilii*

I. scariosa Willd. ex Link. Russia, Ural Mtns. to Tien Shan. 4-8" (10-20 cm). Red-violet, white, yellow, blue, purple, violet; beards yellow, white, blue. 2n=24.

I. schachtii Markgraf. Central and western Turkey. 4-12" (10-30 cm), Yellow or purple.

I. suaveolens Boiss. & Reut. Balkans to northwestern Turkey. 3-6" (8-15 cm). Yellow, with or without spot; purple or purplish-brown; beard yellow or bluish. 2n=24. Syn. *I. glockiana*, *I. mellita*, *I. rubromarginata*

I. taochia Woron. ex Grossh. Northeastern Turkey. 6-12" (15-30 cm), Pale yellow, gold, purple, violet; beards yellowish.

I. timofejewii Woron. Eastern Caucasus. 4-10" (10-25 cm). Reddish- violet to blue-violet; beard white, tipped purple. 2n=24.

**Crested an
Species artificial
group**

Section *Lophiris* Mathew

I. confusa Sealy. Southwestern China. 12-36" (30-90 cm). Lavender or white with purple spotting around the yellow crests and signal patch. New material from China is lavender. 2n=30.

I. cristata Soland. Appalachian and Ozark Mtns. 3-4" (7-10 cm.) Lavender blue or white; white signal outlined darker blue; yellow to orange on the serrated crest. 2n= 32.

I. formosana Ohwi. Taiwan. 12-16" (30-40 cm). Lilac-blue with a yellow crest on the falls; tender! 2n=28, 35.

I. gracilipes Gray. Japan, China. 4-6" (10-15 cm). Lilac-blue or white; center of falls veined violet on white; white/yellow crest. 2n=36.

I. japonica Thunb. Japan, China. 18-31" (45-80 cm). White to pale lavender; signal of violet dots and stitches; crest orange. 2n=34, 36, 54.

I. lacustris Nutt. Great Lakes region. Lavender-blue, rarely white, with gold crests and white patch. 2n=32, 42.

I. latistyla Y. T. Zhao. Tibet. 2-5" (6-14 cm). Violet. Zhao placed this among the crested, but Mathew includes with Nep. as resembling *I. decora*. Status uncertain.

I. milesii Fos. Himalayas. 12-30" (30-76 cm). Pinkish-lavender, mottled with deeper purple on the falls; yellow fringed crest. 2n=26.

I. subdichotoma Y. T. Zhao. China: Yunnan. 10-16" (25-40 cm). Purple or violet, yellow crest. Syn. *Pardanthopsis subdichotoma*

I. tectorum Maxim. Central and southwestern China, Burma, Korea. 10-14" (25-35 cm). Lilac, mottled darker, rarely white; lacy white crest. 2n=28.

I. tenuis Watson. Clackamas County, Oregon. 12-14" (30-35 cm), White, or marked in blue; yellowish crest-like ridge. 2n=28.

I. wattii Baker. China, Burma. Canes up to 9 ft (2.7 m). Lavender, mottled violet; crest white, spotted orange-yellow. 2n=30.

Dryland Storage Root Irises

Subgenus *Nepalensis*

- I. barbatula* Noltie & K. Y. Guan. China: NW Yunnan. 5 1/2" (14 cm.) Violet, minute orange beard
- I. collettii* Hooker. Southwestern China, Burma. Pale bright blue, yellowish-orange crest. 2n=28 Syn. *I. duclouxii*.
var. *acaulis* Noltie. China: Sichuan, Yunnan. Pale to dark blue with white signal patch and yellow crest; stemless.
- I. daliensis* X. D. Dong & Y. T. Zhao. Yunnan, China. 3-4" (8-10 cm). Milk white; yellow crest.
- I. decora* Wallich. Himalayas, southwestern China, southern & western Tibet. 4-12" (10-30 cm). Pale blue-lavender to purple, fimbriate yellow-orange crest. 2n=28, 30, 36. Syn. *I. nepalensis*, *I. yunnanensis*
- I. staintonii* Hara. Central Nepal. Stem 1-3" (3-8 cm). Pale violet or blue; crest vestigial.

Dryland Bulbous Irises

Subgenus *Xiphium*

- I. boissieri* Henriq. Northern Portugal, Spain. 12- 16" (30-40 cm). Deep violet-purple; sparse yellow beard. 2n=36. Syn. *I. diversifolia*
- I. filifolia* var. *filifolia* Boiss. Southern Spain, Gibraltar, Morocco, Tangier. 10-18" (25-45 cm). Threadlike leaves. falls reddish-violet with median yellow stripe. 2n=32.
var. *latifolia* Foster. Leaves wide.
- I. juncea* Poir. Southern Spain, Sicily, North Africa. 12-16" (30-40 cm). Bright yellow. 2n=32.
- I. latifolia* Miller. Northwestern Spain, French and Spanish Pyrenees. 24" (60 cm). Violet blue; yellow signal. 2n=42. Syn. *I. xiphioides*
- I. serotina* Willk. Southeastern Spain, possibly North Africa. 16-24" (40-60 cm). Violet-blue; falls with yellow central line.
- I. tingitana* Boiss. & Reut. Morocco, Algeria. 24" (60 cm). Pale to deep blue. 2n=28. Syn. *I. fontanesii*
- I. xiphium* L. Spain, southwestern France, Corsica, southern Italy, Portugal, Morocco, Algeria,

Tunisia. 16-24" (40-60 cm). Blue-violet, yellow, white; yellow to orange signal. 2n=34
Syn. *I. taitii*.

Subgenus

Hermodactyloides

- I. bakeriana* Fos. Southern Turkey, northern Iraq, western Iran. 4-6" (10-15 cm). Standards and styles bluish lilac; falls white with deep blue tips, lines, and blotches. 2n=20.
- I. danfordiae* (Baker) Boiss. Turkey. 3-4" (7-10 cm.) Yellow dotted green. Deep yellow or orange crest. 2n=18, 27, 28. Syn. *I. bornmulleri*
- I. histrio* subsp. *histrio* Reichb. Fils. Southern Turkey, Syria, Lebanon. 2-3" (6-8 cm). Pale blue, blotched darker blue; yellow ridge. 2n=20. subsp. *aintabensis* (Baker) Mathew. Southern Turkey. Pale blue, splashed darker on fall; yellow or orange ridge.
var. *atropurpurea* (Dykes) Dykes. Turkey. Black sheen on a dark red ground lacking a yellow central ridge on the falls. May no longer be in cultivation.
- I. histrioides* (G. F. Wilson) S. Arnott. North central Turkey around Amasya. 2-3" (6-7 cm). Blue, variable in depth of color and amount of spotting on falls, ridge yellow. 2n=16,17.
var. *sophenensis* (Fos.) Dykes. Turkey. Deep violet-blue, little veining or spotting, yellow ridge, narrow-petaled.
- I. hyrcana*, Woron. ex Grossh. Caspian Sea. Pale clear blue, bright yellow ridge. 2n=20 Now considered an. *I. reticulata*
- I. kolpakowskiana* Regel. Tien Shan Mtns., Turkestan. 6-8" (15-20 cm). Bitone, orchid and reddish-violet; yellowish-orange ridge on falls. 2n=20.
- I. pamphylica* Hedge. Southern Turkey. 4-8" (10-20 cm). Standards blue; falls purple- brown with yellow blotch. 2n=20.
- I. reticulata* Bieb. Herm. Turkey, Iran, Iraq, former USSR, Caucasus, and Transcaucasus. 3-6" (7-14 cm.) Blue, violet, purple. 2n=20
- I. tuberosa* L. Originally considered an Iris it was then moved to the Genus *Hermodactylus* because of its strange tuber-like rhizomes. Brian Mathew has recently noted that seedlings will form a bulb just like other reticulates but shortly the bulb sends out a stolon, that develops into a tuber, and the bulb disappears. Now returned to its old place in the genus Iris. Syn. *Hermodactylus tuberosus* (Linn.) Salisb.
- I. vartanii* Fos. Herm. Israel, Syria, Lebanon, Jordan. 3-4" (8-10 cm). Slate-blue to white; yellow median ridge. 2n=20.
- I. winkleri* Regel. Herm. Tien Shan Mtns., Turkestan, central Asia. Blue-violet. Once cultivated by Olga Fedtchenko.
- I. winogradowii* Fomin. Herm. Abkhazia, Georgia (Central Asia). 4-6" (10-15 cm.) Pale primrose yellow with green spots on the falls. 2n=16.

Subgenus *Scorpiris*

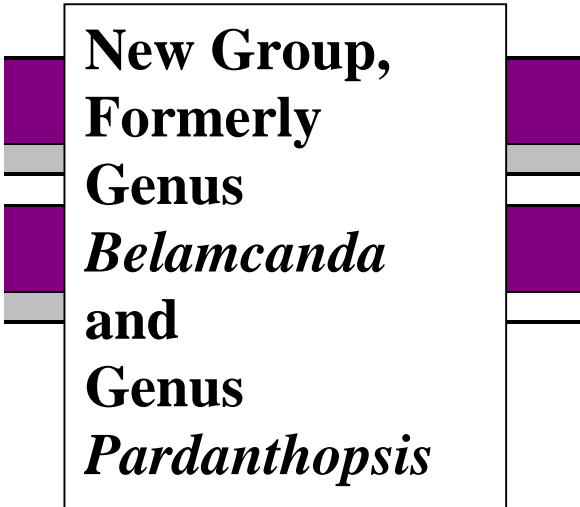
Spach

- I. aitchisonii* (Baker) Boiss. Afghanistan, Pakistan. 6-20" (15-50 cm). Deep yellow or violet; sometimes bicolored yellow with brown or violet markings. 2n=34.
- I. albomarginata* R. C. Fos. Central Asiatic Russia. 2-3" (5-7 cm); 8-12" (20-30 cm). Pale blue; falls with yellow and white ridges or crest. Syn. *I. caerulea*, 2n=26, pale blue violet with darker markings
- I. aucheri* (Baker) Sealy. Northern Iraq, southeastern Turkey, northern Syria, western Iran. 6-16" (15-40cm). Blue to near-white, yellow ridge on falls. 2n=22. Syn. *I. assyrica*, *I. fumosa*, *I. sindjarensis*. Possibly syn. *I. moabitica*
- I. baldschuanica* B. Fedtsch. Central Asia: Pamir-Altai Mtns. 4-6" (10-15 cm). Yellow or cream with some pink or violet tinting. Syn. *I. rosenbachiana* var. *baldschuanica* 2n=22
- I. bucharica* Fos. Northeastern Afghanistan, Tadjikistan. 8-16" (20-40 cm). 2n=20, 22; Golden yellow, white and yellow bitone, near-white. The plain yellow variant Has long been known in gardens as *I. orchioides*, but true *I. orchioides* Carriere is a different species.
- I. cabulica* Gilli. Afghanistan. 6" (15 cm). White or pale lilac, yellow crest.
- I. capnoides* Vved. Central Asia: Tien Shan Mtns. 3-6" (8-15cm). Standardspale violet, falls smoky grayish-green. 2n=20
- I. carterorum* Mathew & Wendelbo. Eastern Afghanistan. 3-4" (7-10 cm). Yellow-green, spotted purple-black.
- I. caucasica* subsp. *caucasica* Hoffm.. Central and eastern Turkey, northeastern Iraq, northwestern Iran, Caucasus. 6" (15 cm). Green to yellowish green with yellow ridge on falls. 2n=20. subsp. *turcica* B. Mathew. Central and northeastern Turkey. 2n=20.
- I. cycloglossa* Wendelbo. Western Afghanistan. 8-16" (20-40 cm). Blue-violet with large S.; falls with large white spot or yellow blotch. 2n=28.
- I. doabensis* Mathew. Northeastern Afghanistan. 4-6" (10-15 cm). Deep yellow, darker yellow crest on falls.
- I. drepanophylla* subsp. *drepanophylla* Aitch. & Baker. Iran, Turkmenistan, north and west Afghanistan. 4-12" (10-30 cm). Yellow to greenish. subsp. *chlorotica* Mathew & Wendelb. Northeastern Afghanistan. Silvery-green with a whitish or pale yellowish-green crest on the falls.
- I. edomensis* Sealy. Jordan. Less than 4" (10 cm). falls creamy white, heavily striped and blotched violet; Standards erect, more lightly marked; crest yellow.
- I. fosteriana* Aitch. & Baker. Northeastern Iran, Turkmenistan, northwestern Afghanistan. 4-6" (10-15 cm). Standards rich purple; falls creamy-yellow; yellow style arms. 2n=18.
- I. galatica* Siehe. Central to north Turkey. 2-5" (5-12 cm). Reddish-violet self or bitone, greenish yellow, or silvery purple Standards 2n=24. Syn. *I. eleonora*, *I. purpurea*, *I. persica* var. *persica*
- I. graeberiana* Van Tubergen ex Sealy. Central Asia, exact area not known. 6-14" (15-35 cm). Blue tinted violet or lavender, strongly veined around the crest. 2n=50 Syn. *I. zenaidae*; some material is hybrid.
- I. hippolyti* Vved. Uzbekistan, Central Asia. 4" (10cm). Pale violet, yellow signal; white crest.
- I. hymenospatha* subsp. *hymenospatha* Mathew & Wendelbo. Southern Iran. 3-5" (7-12 cm). White, veined violet; falls zoned bluish-violet; crest yellow. 2n=24. Syn. *I. persica* var. *isaacsonii* 2n=24 subsp. *leptoneura* Mathew & Wendelbo. Northwestern Iran, eastern Iraq. Wider, more curved leaves lacking the prominent silver veins of the typical. 2n=20
- I. inconspicua* Vved. Central Asia: Tien Shan Mtns. Approximately 2" (5 cm) total height. Pale lilac, spotted green; white crest.
- I. kopetdagensis* (Vved.) Mathew & Wendelbo. Northeastern Iran, Turkmenistan, northwestern and central Afghanistan. 4-14" (10-35 cm). Green; yellow crest. 2n=18.
- I. kuschakewiczii* B. Fedtsch. Russian central Asia. 4-6" (10-15 cm). Pale violet; falls marked very dark violet; white crest. 2n=22
- I. leptorhiza* Vved. Russian Central Asia. 4-6" (10-15 cm). Violet-green. 2n=22
- I. linifolia* (Regel) O. Fedtsch. Central Asia: Tien Shan and Pamir-Altai Mtns. 2-4" (5-10 cm). Pale yellow; falls darker; white crest. 2n=20.
- I. magnifica* Vved. Central Asia. 12-24" (30-60 cm). White or pale lilac; whitish crest; yellow signal. 2n=26
- I. maracandica* Vved. Central Asia: Tadjikistan, Pamir-Altai Mtns. 4-6" (10-15 cm). Pale yellow. 2n=20
- I. microglossa* Wendelbo. Northeastern Afghanistan. 4-16" (10-40 cm). Pale lavender-blue to near-white; white or very pale yellow crest. 2n=30
- I. narbutii* O. Fedtsch. Central Asia. 4-6" (10-15 cm). Mathew revision: styles yellow; falls yellow & violet; Standards bright purple, deflexed. 2n=22. Syn. *I. dengerensis*, *I. hissarica*
- I. narynensis* O. Fedtsch. Central Asia: Tien Shan Mtns. 2" (5 cm) stem height. Pale violet, falls darker.
- I. nicolai* Vved. Northeastern Afghanistan, Russia. 5-6" (12-15 cm). Pale lilac or nearly white; falls lined and marked violet, prominent orange crest. 2n=22. Syn. *I. rosenbachiana* var. *alboviolacea*
- I. nusairiensis* Mouterde. Syria. 3-4" (7-10 cm). Pale blue or whitish; darker veining on the hafts; creamy or very pale yellow crest. 2n=24
- I. odontostyla* Mathew & Wendelbo. Afghanistan. 5" (13 cm). Grayish or silvery violet; crest orange-yellow.
- I. orchioides* Carriere. Central Asia. 8-14" (20-35 cm). Pale yellow tinted pale purple; crest yellow, raised and toothed. Not "orchioides" of gardens, which is a form of *I. bucharica*. 2n=26, 30.
- I. palaestina* (Baker) Boiss. Eastern Mediterranean, Israel, Lebanon coast, Jordan, southern Syria. Under 6" (15 cm.) Green. 2n=24.
- I. parvula* Vved. Central Asia. 4-5" (10-12 cm). Standards and falls pale greenish yellow, smudged darker; crest greenish-yellow, toothed. 2n=18.

- I. persica*** L. Southern and southeastern Turkey, northern Syria, northern Iraq. 4" (10 cm). Color variable: Silvery-gray, beige-tan, gray-green; blade of falls dark purple or brown; crest prominent, yellow, dotted brown or purple. 2n=20. Syn. *I. bolleana*, *I. issica*, *I. sieheana* var. *magna*. Southern Turkey. Silvery-gray, marked with purplish-red on the falls. Syn. *I. haussknechtii*, *I. sieheana* var. *ardinensis*. Silvery-gray, marked with purplish-red on the falls.
- I. planifolia*** (Miller) Fior. & Paol. Southern Spain, Portugal, Sardinia, Sicily, Crete, Morocco, Algeria, Libya. 4-6" (10-15 cm). Bluish-violet, sometimes white; yellow crest with darker bluish-violet veining. 2n=24 Syn. *I. alata*, *I. scorpioides*
- I. platyptera*** Mathew & Wendelbo. Afghanistan, Pakistan. 3-6" (8-14 cm). Smokey brownish purple or violet; yellow crest.
- I. popovii*** Vved. Central Asia: Pamir-Altai Mtns. 4 1/2" (12 cm.) Blue to light violet, possibly with a yellow blaze on the falls.
- I. porphyrochrysa*** Wendelbo. Central Afghanistan. 4" (10 cm). Bronze with a deep yellow blade on the falls; crest orange, toothed.
- I. postii*** Mouterde. Iraq, eastern Syria, eastern Jordan. 3-8" (8-20 cm). Pale lavender ground, blotched and veined dark violet; crest yellow with a white band. Syn. *I. palaestina* var. *caerulea* 2n=24
- I. pseudocaucasica*** Grossh. Northern Iran, northeastern Iraq, southeastern Turkey, southern Transcaucasia. 2-8" (6-20 cm). Yellow, yellow-green or ice blue or blue-purple; crest yellow. 2n=20. Confused with *I. caucasica*. 2n=20
- I. regis-uzziae*** Feinb. Israel, southern Jordan. 4" (10 cm). Pale blue, lilac or greenish-yellow. 2n=20.
- I. rosenbachiana*** Regel. Central Asia: Pamir-Altai Mtns. Dwarf. Deep red and violet; bright orange crest. 2n=20; plants with 2n=22 may represent *I. popovii* which is little known.
- I. schischkinii*** Grossh. Russia. 8-12" (20-30 cm). Green to yellowish green; yellow crest. May be the same as *I. caucasica*
- I. stenophylla*** subsp. *stenophylla* Hausskn. & Siehe ex Baker. Southern Turkey. 2-5" (5-12 cm). Violet-blue or lilac-blue, falls darker; yellow crest. 2n=26. Syn. *I. heldreichii*, *I. tauri*. 2n=26 subsp. *allisonii* Mathew. Southern Turkey. Pale blue; falls streaked and spotted darker. No longer separated as a valid subspecies
- I. stocksii*** (Baker) Boiss. Central and southern Afghanistan, western Pakistan. 4-8" (10-20 cm). Lavender or blue violet; yellow crest.
- I. subdecolorata*** Vved. Kazakhstan, Tashkent. 2" (5 cm). Dull greenish or lilac; falls veined violet; green blotch; dissected white crest. Syn. *I. almaatensis*
- I. tadshikorum*** Vved. Central Asia: Pamir-Altai Mtns. 2" (5 cm). Pale violet; white crest. 2n=18
- I. tubergeniana*** Fos. Uzbekistan, Syr Darya Mtns. 4-6" (10-15 cm). Yellow, veined and dotted greenish-violet; crest fimbriate. 2n=20
- I. vicaria*** Vved. Central Asia: Pamir-Altai Mtns. 8-20" (20-50 cm). Pale bluish violet, veined darker;

crest yellow or whitish; yellow blotch. 2n=22, 46.

- I. vvedenskyi*** Nevski. Central Asia: Pamir-Altai Mtns. 4" (10 cm). Yellow; orange crest.
- I. warleyensis*** Fos. Central Asia: Pamir-Altai Mtns., Samarkand, Bokhara. 8-18" (20-45 cm). Pale to deep violet or blue-violet; crest yellow or white. 2n=24.
- I. wendelboi*** Grey-Wilson & Mathew. Southwestern Afghanistan, Iran. 4" (10 cm). Deep violet; crest golden yellow
- I. willmottiana*** Fos. Central Asia: Pamir-Altai Mtns. 6-10" (15-25 cm). Lavender, violet-blue blotches and lines on white; crest white. 2n=20.
- I. xanthochlora*** Wendelbo. Northeastern Afghanistan. 4-6" (10-15 cm). Greenish yellow; deep yellow crest. 2n=14, 18.
- I. zaprjagajewii*** N. Abramov. Central Asia: Pamir Mtns. 4-6" (10-15 cm). White; with some light bluish or lilac staining, yellow crest. 2n=22.
- I. zenaidae*** Vved. Russian central Asia, Tien Shan Mtns. Violet-blue; haft of falls spotted violet; crest white or violet. Syn. *I. graeberiana*



New Group, Formerly Genus *Belamcanda* and Genus *Pardanthopsis*

- I. dichotoma*** Pall. Called Vesper Iris because it opens flowers in the evening and they close the next day. Blooms end of summer. Syn. *Pardanthopsis dichotoma*; retained in *Iris* by other authors.
- I. pampaninii***. Called Blackberry Lily because of seeds and pod. Blooms end of summer Syn. *Belamcanda chinensis*, *Belamcanda flabellate* Grey.
- I. xnorrissii***. Lenz. Hybrids involving the above two species. Named in honor of Sam Norris who first made this cross, Introduced by Park Seed as 'Candy Lilies'