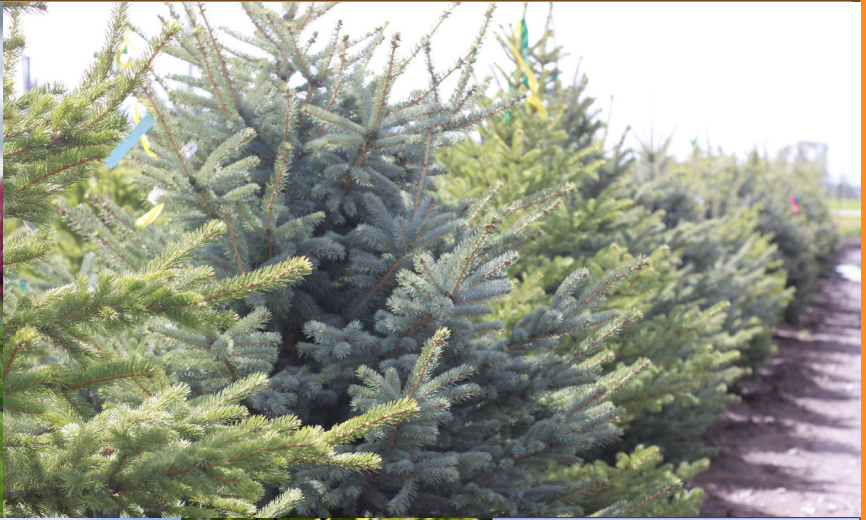




Glacier Nursery, LLC

2023



WHOLESALE PRICE LIST

WHAT’S NEW FOR 2023?

IT’S NEVER TOO EARLY TO ORDER Demand for plants was strong in 2022 and looks to continue into 2023. Please order early to secure plants for your projects.

ONE STOP SHOPPING for all your plant needs. We offer over 900 varieties of trees, shrubs, evergreens, and perennials. Our plants are suited to the rigors of Montana’s climate and synchronized with Montana’s seasons, late spring frosts, and early fall freezes.

WEEKLY DELIVERIES during the growing season throughout most of Montana. Orders received **by Thursday at 4:00 p.m.** are delivered by the following Friday afternoon (delivery location and order size affect this schedule).

COMPETITIVE DELIVERY COSTS Our 2022 freight charges on plant shipments averaged 7.7% of the total plant invoice.

OUR WEBSITE glaciernursery.com lists our plant availability and allows you to order plants 24 hours a day, 7 days a week, even from your mobile device! Access the plant availability portion of our website using the following information:

User Name: [avail](#) and **Password:** [gnursery](#)

See Page 7 for more details on how to use our website.

UPDATES TO POLICIES AND PROCEDURES The current economic environment and scarcity of labor has necessitated updates to some of our business policies and procedures. Please review our Terms and Conditions as well as the Orders, Payments, and Pickup Information section on Pages 2, 3, and 4.

Thank you all for your past and future support!



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TERMS AND CONDITIONS OF SALE

PRICES:

- All prices are quoted in U.S. dollars, F.O.B. Kalispell, Montana and are subject to change without notice. The invoiced price per plant depends upon the number of plants ordered of a species and size on an individual order and delivered in one shipment to the same location. See Page 3 for specific pricing instructions.
- A two percent discount on plant material is offered to those with established credit who pay in full within 10 days of the invoice date (this does not apply to purchases made with credit cards).
- All payments go toward **interest, freight, then the oldest** invoices remaining (in that order).
- Special handling is charged at cost; **see Cancellation and Restocking Fees on Page 3.**
- Glacier Nursery, LLC, charges freight on behalf of our carriers. A minimum freight charge of \$275.00 will apply to orders we deliver through our carriers. Freight on deliveries will be computed on each individual truck and will be based on the volume of each customer and reflect rates at the time of shipment. Discounts are not offered on freight and all payments are applied toward freight first.
- Volume Rebate is offered on the amount of the purchases made during the calendar year; see Rebate/Discount Schedule on Page 4.
- Interest of 1.5 percent per month equaling an annual rate of 18 percent (or the maximum allowable rate) will be charged on all accounts past 30 days. We appreciate your prompt payment.
- Prices in this catalog are effective for plants delivered after January 1, 2023.

TERMS:

- Customers should anticipate paying in advance, a week prior to shipment, until payment terms are established with completion of a credit application.
- Terms of 30 days net, from date of invoice, are extended to customers with established credit.
- Nursery stock travels at purchaser's risk and expense. Our responsibility ceases upon delivery to the carrier.
- Glacier Nursery, LLC, retains a vendor's interest in all goods until such goods have been paid for in full.
- Any legal actions by Glacier Nursery, LLC, shall be initiated in the jurisdiction of our choice. Glacier Nursery, LLC, will be entitled to all costs incurred enforcing this agreement, including attorney fees.
- A 50 percent deposit is required to hold stock for shipment or pickup after July 1, 2023. Trees held for pickup after July 1, 2023 with a deposit will be invoiced at the size they are at the time of delivery, not necessarily the size at which they were acknowledged. Deposits for plants held are applied to specific orders and will not be applied to any other orders, or to the account as a whole. Cancellation of the order will result in forfeiture of the deposit.
- We require a valid Montana State Nursery License to purchase plants. Available from Montana Department of Agriculture.

CLAIMS:

- Any claim regarding incorrect counts, breakage, or stock quality must be made in writing within 10 days of delivery of plants. Claims of stock viability for spring delivered material must be made no later than May 31, 2023. Claims for losses of goods while in transit must be filed with the carrier, not with Glacier Nursery, LLC. We will of course assist you, if necessary, in filing your claim with the carrier.
- We cannot be responsible for the results secured in transplanting.
- Credits for nursery stock will be issued as replacement plants. Those situations where replacement plants are impractical will be subject to receiving replacement plants the following year.

GUARANTEE: We accept orders subject to crop conditions and with the understanding that we may cancel a portion of the order should injury befall our stock from causes beyond our control such as frost, hail, windstorms, drought, or other weather conditions, errors in count, disease and insect injury, or other natural causes. We warrant, to the extent of the purchase price only, that nursery stock sold is in good healthy condition when leaving our nursery, is true to name, and as described within recognized tolerances. Seller gives no further or other warranty, expressed or implied, and will under no circumstances be liable for more than the invoice value at the time of purchase. This warranty is not transferable and is void if payment is not made in full when due for the full contract price of all nursery stock shipped.

ORDERS, PICKUP INFORMATION, AND PAYMENTS

PLANT PRICING: All prices are quoted in U.S. dollars, F.O.B. Kalispell, Montana and are subject to change without notice. The invoiced price per plant depends upon the number of plants delivered of a species and size on an individual order and delivered in one shipment to the same location. Orders are invoiced **individually** as they were placed and **are not combined** for volume pricing at shipping and delivery. Quantity column headings at the top of each page will help you price the quantity of plants you are looking for. Price breaks are offered at quantities of 5, 25, and 50+ for plants of the same species and container size. Only select items receive 25 or 50+ pricing.

ORDERS: Orders are placed with a scheduled ship date at the direction of the customer. The customer is responsible for informing us in writing of changes to the ship date. If the shipment or pick up of an order is delayed 30 days or more past the scheduled ship date, we will attempt to contact those with orders in excess of \$1000 to reschedule. Orders totaling less than \$1000 will be automatically cancelled. Failure to respond to our request for a revised ship date will result in cancellation of the order. Orders with a ship date extended beyond July 1, 2023 will require a deposit.

PICKUP ORDERS: A MINIMUM ORDER OF \$200 IS REQUIRED FOR A CUSTOMER PICKUP. Orders that do not total \$200 or more will be subject to a \$25 surcharge. Customers picking up orders should arrive properly equipped with suitable tarps and rope to transport the stock. Failure to properly secure and cover your plants will nullify any guarantee of stock viability. **We require at least 24 hours advance notice so we may have the order assembled and ready for pick up.**

CANCELLATION AND RESTOCKING FEE: Plants that are readied and staged for shipping or pickup and subsequently cancelled less than 24 hours before scheduled pickup or delivery, or picked up by the customer and later returned will be assessed a 20 percent restocking fee. We begin covering our plants for winter during the third full week of October. Plants that are covered are unavailable for delivery or pickup.

CREDIT CARD PURCHASES: Customers with prepayment terms as well as those with established credit may use a Visa, MasterCard, or Discover Card to purchase plants at Glacier Nursery, LLC. For customers with prepayment terms who choose to pay with a credit card, payment is expected within one day of pickup or receipt of delivery; payments made after that time will be subject to a 2.5 percent service charge. For customers with established credit, credit card payments must be made within 10 days of invoice; credit card payments made after 10 days will be subject to an additional 2.5 percent service charge. Payments made with credit cards **are not eligible** for the two percent discount for payment within 10 days.

DISCOUNT FOR PROMPT PAYMENT: A two percent discount is offered on plant material to those customers with established credit and credit applications on file who pay in full within 10 days of the invoice date. All payments go toward the **oldest** invoices remaining. **Payments made with credit cards are not eligible for the two percent discount for payment within 10 days.**

ELECTRONIC PAYMENTS: Checks may be mailed or sent via text message and are electronically deposited the day they are received. We can also accept credit card information or an account and routing number for a bank account over the phone.

REBATE/DISCOUNT SCHEDULE

VOLUME REBATE PLAN: The Volume Rebate Plan has been revised for 2023 and is available to those who pay their accounts fully within 30 days of the invoice date **or** who pay **all** finance charges:

Total Volume of:	\$50,000 - 74,999	5%	\$125,000 - 149,999	8%
	\$75,000 - 99,999	6%	\$150,000 - 199,999	9%
	\$100,000 - 124,999	7%	\$200,000 and up	10%

The volume rebate will be computed on sales of plant material purchased in a calendar year. Those who do not pay in full within 30 days, do not pay all finance charges, or who make unreasonable claims will forfeit volume rebates. Rebate checks will be mailed before December 31 each year, or may be applied to your account as a credit for the following year. Volume rebate checks will not be issued for any account unpaid as of December 31, 2023.

EARLY ORDER PROGRAM WITH EXTENDED TERMS: If you find yourself ordering next year's plants from this year's order, consider the advantage of our Early Order Program. For all nursery stock ordered prior to September 30, 2022 and delivered between March 1, 2023 and May 15, 2023, customers will be included on the first allocation of plant material for the next season, and will receive 2022 prices for these orders. **Only orders placed by September 30, 2022 and shipped in full by May 15, 2023 will be eligible for the Early Order Program.** The previous discount based on volume will be discontinued in 2023 and beyond.

PLANT INFORMATION

ACCLIMATED PLANT MATERIAL: In many cases, climatic conditions determine the success and failure of plants in the landscape. It is our aim to offer the customer plants that have been grown in our nursery for a period of years and have thrived under severe changes of weather. Please contact us and we will be able to assist you in determining a plant's suitability to your climate.

PICTURE TAGS: Picture tags are applied to plants bound for retail sales or per customer request. We do apply a "Grown in Montana" sticker to those plants that have been overwintered in Montana or have been spring planted and grown in the pot in which they are sold for three or more months. Our picture tags are purchased from suppliers and occasionally there is information on the tag that does not completely agree with our catalog descriptions. We may apply additional information stickers if the printed information is grossly inaccurate. We make every attempt to properly label all of our plants. If we should ever mislabel a plant, please notify us promptly and we will accept it for return and offer a full refund for the purchase price of the plant.

PLANTS PURCHASED FOR RESALE: Most of the deciduous trees, deciduous shrubs, and perennials we sell are overwintered at our nursery or have been grown in the pot in which they are sold for three months or more (two months for perennials). Most of our evergreens are grown by nurseries in our region; early spring shipments are generally overwintered here in Montana. We purchase plants for resale, paying strict attention to our sources both for plant quality and compatibility to our climate. We are more than willing to share information regarding the source of a plant purchased from Glacier Nursery, LLC. We have tried propagating almost every species we sell here at Glacier Nursery, LLC, at one time or another and have found that some species grow fine in Montana **but** are not suited for production growing in our climate, our soil types, our watering regimes, or cannot be grown profitably by us. What we have found is that our customers **expect** quality first and accept the reality that Montana may not be where their plant was originally propagated and subsequently grown. As previously stated ask us; we are more than willing to share the location of where our plants were grown.

A WORD ABOUT HOW OUR CATALOG IS CONSTRUCTED AND SHOULD BE USED

NOMENCLATURE: We use the *Manual of Woody Landscape Plants* by Dr. Michael A. Dirr (fifth edition) as our primary source for botanical and common names. For native plants we use the USDA NRCS Plant Database.

HARDINESS: We have made an attempt, based on our experience and input from other knowledgeable nursery persons, to provide information on how these many species may perform here in Montana. Our experience suggests most of Western Montana would be classed as Zone 4, while much of Eastern Montana would be Zone 3, and other parts of Montana (due to elevation and especially exposure) would be Zone 2. Glacier Nursery, LLC, is located in Zone 4. Severity of winter temperatures does not completely predict hardiness in a state susceptible to extreme temperature fluctuations. The earliest severe cold in the fall and the plants preconditioning to winter also dictate hardiness.

One qualification regarding hardiness recommendations—there are numerous microclimates, both less severe (for example, sheltered areas around homes) and more severe (exposed/barren sites), where we can see a zone of hardiness different than within the general area. Please determine the zone where the plants are to be placed and use the enclosed information to help your customers attain the optimal level of success with their planting.

DESCRIPTIONS: The descriptions and uses of plants are based on our observations and experiences and, of course, are subject to your interpretation.

SIZES: These are cultivated as an average for what these plants might be expected to achieve as mature specimens here in the Montana landscape. As such, there are plants that may be larger or smaller; consequently these sizes should be used as guidelines.

NATIVE PLANTS: Native to us means **native to North America**. See Pages 37, 68, 108, and 112 for a list of our native plants. A website that helps determine the distribution of a species is available from the USDA Natural Resources Conservation Service Plant Database: <http://www.plants.usda.gov>.

ORDERING HINTS: It is more economical to order in quantities of **5 or more** whenever possible. At the beginning of each of the four product groups in the catalog is information noting the dimensions of the pots, weight of the finished plant in those pots, and a **general description** of the size of the plant to expect at delivery.

CODE INFORMATION: To expedite ordering, use the plant codes in our inventory system that are included just beneath the plant description in this catalog. You will notice the species is the first of the three characters. The second and third characters are selected from the species and/or cultivar on all but perennials. For perennials, the second and third characters represent the common name. Multi-stem and single-stem trees and shrubs are differentiated by the suffix 3 or 1, respectively, in the three-character code.

FALL PLANTING PRECAUTIONS: Our experience suggests that extra precautions need to be taken to successfully plant in the fall in Montana. Fall planting may result in higher plant mortality than spring planting due to variable fall weather **and** the care taken at planting.

All fall plantings require additional water **at planting** to settle the soil around the plants thus, eliminating air pockets and ensuring all the backfill and surrounding soils are saturated. **This needs to be repeated just before the ground freezes solid.** The following guidelines apply to the **minimum** volume of water required at each of these waterings: 10 gallons of water per caliper inch of the trees, 5 gallons of water per gallon of container.

Of additional concern, is that the plants need to be protected on the job site prior to planting. B&B material should be covered with wood chips or straw and watered. Container stock should be watered thoroughly and packed tight with the edges of the group insulated. All the plants should be stored on the ground, **not** on pallets, to avoid rapid freezing of the plants that happens when they are elevated above the ground. This will protect the plants from freezing rapidly or from drying out excessively. We would also recommend applying Wilt Pruf to all evergreens after planting to reduce the amount of moisture loss from the plant during the winter.

Any plant material that we need to special purchase for a fall planting should be in Montana by August 15 so it can acclimate to our colder climate. This will require a 50 percent deposit made on these plants by August 15 so that we can have them delivered to the nursery in a timely fashion.

As in our normal policy, our plants are warranted to be alive at the time of shipment. Every fall and winter is different and the success or failure of planting in the fall depends very much on the weather: how early it freezes, how much moisture we have before it freezes, and how much snow, cold, and sunshine we have during the winter. **We cannot be responsible for plant survival after delivery and transplanting. We offer no guarantee that the plants will survive the winter and leaf out the following spring.**

HOW TO USE OUR WEBSITE

www.glaciernursery.com: To assist our customers, we have a website to help with plant purchases. To access the online availability, click on the “Wholesale Ordering” button on the homepage and enter in these general login credentials: **User Name: avail Password: gnursery**

The general login credentials only allow you to look at the current availability and price. If you want to order online, we ask you to fill out the one-time registration. To do this, login with the general login (User Name: avail Password: gnursery) and from there you will see a “Wholesale Registration” button. Complete and submit the registration forms. We will approve the registration and you will be able to start ordering online. From your account you will be able to look at current saved orders and past submitted orders.

Our availability is updated at least weekly. Our inventory numbers represent the present, not the future, so please contact us with orders that are for weeks or months in the future. Inventory is always changing, whether it is from the plants growing or orders being placed or adjusted. If you do not see what you are looking for on the availability list, feel free to give us a call, send us an email, or leave a comment in the ‘Order Comments’ box at checkout. We can let you know the status of that particular item. This is a quick and convenient way to order 24 hours a day. It is as easy as entering a number in the box to the right of the amount available and then adding it to your cart. Once you **submit** your order, you will receive an email confirmation and a call back from someone in the sales department confirming your order. We will not have a record of the plants you quoted unless you formally **submit** the order to us.

Another way to use the online ordering is for your bidding process when all you desire is an idea of what the plants will cost. Simply go through the ordering procedure and print your order out before submitting the actual order.

SUSTAINABILITY, MORE THAN A WORD TO US AT GLACIER NURSERY, LLC: Over the last 39 years we have instituted numerous cost saving procedures that also contribute to reducing our carbon footprint and allow us to operate in an environmentally friendly manner. Below are a list of the more significant procedures employed by Glacier Nursery, LLC.

- Reusing plastic pots that are returned from our customers (we pay four cents per gallon). Each year, over 60 percent of our plantings are into reused pots. Returns that are less than \$25.00 will not be credited to the account.
- Reusing all our cull and discarded plants by grinding them into compost, thus avoiding the need for topsoil and other potting media components that would need to be purchased and delivered.
- Chipping all our tree tops and eliminating plant material burning at Glacier Nursery, LLC. The chips are added to our potting mix. Diseased trees are chipped and disposed off site.
- Reusing all our runoff water from irrigation. None of our irrigation water drains off the farm; we reuse all runoff and mix the used water, after chlorine treatment, with fresh water in our irrigation system.
- Old pallets are dismantled and used as blocking on outbound shipments. Many of our outbound trucks return with the blocks that are used to stabilize the loads, reducing the need for new blocks.
- Cardboard boxes and pallets we receive with inbound plants are re-utilized as packing for outbound shipments. Used pallets and pots are made available to passersby on our highway frontage, keeping these products out of landfills.
- Pesticides and fertilizers are banded or applied on individual crops rather than broadcast applications. This reduces the quantity of pesticides and fertilizers used.
- We practice integrated pest management systems that reduce frequency of pesticide applications as well as minimizes the use of pesticides with a warning label.
- Use of electronic communication with customers for ordering, invoicing, and payments reduces paper usage and mail expenses.

SHADE, FLOWERING, AND FRUIT TREES

All plants are well branched and suited for either immediate sale in the retail yard or for planting into the landscape. Containerized plants are **established** and rooted into the media with roots to the edge of the plastic container. Potting media contains compost that helps retain moisture, nutrients, and reduces the number of plants that blow over in the wind. Below is a potting schedule guide:

4' trees are in #5 containers, 12" in diameter, 11" in depth; weighing ~ 25 pounds. Our most economical size. Lightly branched with four or more 12" or longer branches.

6' trees are in #7 containers, 14" in diameter, 11" in depth; weighing ~ 40 pounds. Generally 6' in height (species dependent) and nearing one inch caliper. Plants are not sized, therefore you pay one price for all plants of the same species in the same size container.

1.25" & 1.5" trees in #15 containers, 17" in diameter, 15" in depth; weighing ~ 100 pounds. 1.25" caliper and larger, trees have secondary branching and many are grown two growing seasons in the container, giving them a fuller appearance.

#20 containers, 19" in diameter, 17" in depth; weighing ~ 140 pounds. Intended to be comparable in fullness to small B&B trees of the same size. Many are grown two growing seasons in the container.

1.75" & 2" and larger trees are in #25 containers, 23" in diameter, 18" in depth; weighing ~ 200 pounds. Our largest container plants, which are grown to be comparable in size and fullness to mid-range B&B trees, 2" in caliper size. Most are grown for two growing seasons in the container. Approximately half are upshifts from #15 containers and the other half are field grown transplants.

For pricing, consider both the caliper (1.25" and up) of the plant **and** size of the container it is growing in.

Container size is trade designation only.

Generally, 1.75" to 2.25" balled and burlap trees are in 28" baskets and 2.5" to 3" trees are in 32" baskets. There are exceptions to this criteria, please inquire for specific ball sizes. A trunk protector is applied for protection during handling.

The invoiced price per plant depends upon the number of plants delivered of a species and size on an **individual** order and delivered in **one shipment** to the same location. Orders are invoiced **individually** as they were placed and **are not combined** for volume pricing at shipping and delivery. Quantity column headings at the top of each page will help you price the quantity of plants you are looking for. Price breaks are offered at quantities of 5, 25, and 50+ for plants of the same species and container size. Only select items receive 25 or 50+ pricing.

Most of the trees are overwintered or have grown at Glacier Nursery, LLC for three months or more, though occasionally trees are purchased for resale to supplement plant availability. If you have any questions regarding the source of plants purchased from Glacier Nursery, LLC, feel free to ask, as we are more than willing to share that information with you.

PLANTING INSTRUCTIONS

It is imperative customers planting container trees remove the outer one inch of the root plug sides and bottom prior to planting. Cutting the root plug into a cube shape with a 12" wood pruning blade seems the fastest and most complete method (a reciprocating saw does an excellent job). This reduces the opportunity for circling roots to grow unimpeded and potentially weaken or kill the tree as it matures.

There are different guidelines for tree planting based on profession. Arborists differ from Landscape Contractors and Landscape Architects may differ from Nurserymen. Below are procedures that accommodate these differing professions. Dig the hole twice as wide as the container plug/root ball **but** only as deep as the root plug/ball. Preferably hand dig the last 3-6" so the root plug/ball sits on compacted or undisturbed soil and will not settle deeper than originally planted. Measure the depth of the root ball from the bottom to the base of the tree trunk. Verify the top of the root plug/ball (as measured above) will be level, or slightly higher (3"), than the existing grade once placed in the hole. Trees are often killed, or have reduced vigor when planted too deep. Backfill with the native soil or a mix of one quarter to one half well blended soil amendments and native soil. Settle the soil with abundant water, mulch if desired, and stake the tree to avoid wind damage, placing the stakes outside the planting hole.

For planting balled and burlap trees, follow the procedure outlined above. Additionally, handle the plant by the root ball not the top, being careful to avoid tearing the burlap or distorting the shape of the root ball. Avoid handling if the root ball is waterlogged. Place the tree in the hole with the twine, burlap, and basket attached to verify the correct depth and alignment; this makes it easier to make adjustments if needed. Then remove the twine, burlap, and the top two horizontal rings of the wire basket using wire cutters.

Abies - See Evergreens Page 70.

Acer ginnala, Amur Maple 15-20' Zone 3
Small tree or large shrub with exceptional fall color and interesting bark. Irregular habit. Useful for smaller areas, especially beneath overhead utility lines. Multi-stem plants are grown with three or more stems.

AG1	#7	
	#15	1.25"
	#25	1.75"
	#25	2"
AG3	multi-stem #1	
	multi-stem #2	
	multi-stem #5	
	multi-stem #7	~3'
	multi-stem #15	4'
	multi-stem #15	6'
	multi-stem #25	8'
	multi-stem B&B	8'

More trees are planted too deep than too shallow. Avoid placing the container plug/root ball on disturbed soil that might allow the plant to settle from its original planting depth. For a complete description of how we recommend planting trees, see Pages 8, 9, and 38.

5 - 24 25 - 49 50+ 1 - 4

Acer glabrum, Rocky Mountain Maple 20-25' Zone 4
Native Maple with reddish colored twigs and red-tinted samaras. Yellow-orange fall color. Multi-stem form.

AR3 multi-stem #1
 multi-stem #5
 multi-stem B&B 6'

NEW! Acer grandidentatum 'Schmidt', Rocky Mountain Glow Maple® 20-25' Zone 4
Attractive small tree suited for planting location where mature tree height is limited. Selected from the Big Tooth Maple exhibiting yellow to orange-red fall color. A western 'cousin' of Sugar Maple.

ARM #25
 B&B 2"

Acer negundo 'Sensation', Sensation Maple 30-40' Zone 4
Slower and more controlled grower than the species. A uniform rounded habit with green foliage that turns to brilliant red in the fall. The bark has an attractive maroon hue in youth that adds winter interest. Seedless.

ANS #7
 #15 1.25"
 #25 1.75"
 #25 2"

Acer palmatum 'Red Emperor', Red Emperor Japanese Maple 12-18' Zone 4/5
Possibly the hardiest of the red leaved Japanese Maples. Suitable for Missoula or around Flathead Lake. Grown as multi-stem.

ARE multi-stem #5
 multi-stem #7
 multi-stem #10
 multi-stem #20

Acer platanoides 'Pond', Emerald Lustre Norway Maple 50-60' Zone 4
Large tree with an upright spreading habit with green foliage and yellow fall color. Fast growing, well branched, and nice shaped container plants.

AEL #7
 #15 1.25"
 #15 1.5"
 #25 1.75"
 #25 2"
 B&B 2"

Acer platanoides 'Helena', Helena Maple 40-50' Zone 3/4
A selection made from a surviving Norway Maple in Helena, MT. Green leafed and slow growing.

APH #15 1.25"

It is imperative that customers planting container trees remove the outer one inch of the root plug sides and bottom prior to planting. Cutting the root plug into a cube shape with a 12" wood pruning blade seems the fastest and most complete method (a reciprocating saw does an excellent job). This reduces the opportunity for circling roots to grow unimpeded and potentially weaken or kill the tree as it matures.

5 - 24 25 - 49 50+ 1 - 4

Acer platanoides 'Royal Red', Royal Red Norway Maple 40-50' Zone 4
Rich maroon foliage throughout the season. Slower growing than green leafed Norway Maples. Large tree that stands out in the landscape.

ARR #7 1" min
 #15 1.25"
 #15 1.5"
 #25 1.75"

Acer rubrum 'Autumn Radiance', Autumn Radiance® Red Maple 30-40' Zone 4
Selection that displays brilliant red fall color. Rounded habit. Faster growing than Northwood Red Maple.

AAR #15 1.25"
 #15 1.5"
 #15 1.75"

Acer rubrum 'Northwood', Northwood Red Maple 40-50' Zone 3
Excellent fall colors of orange and almost red. Good clean summer foliage. Does not appear to be susceptible to sun scald with the silver-gray bark reflecting the sun. Nice shade tree for large areas.

ANW #7 1" min
 #15 1.25"
 #15 1.5"
 #25 1.75"
 #25 2"
 #25 2.25"
 B&B 2"

Acer rubrum 'Red Rocket', Red Rocket Red Maple 30-35' Zone 3
Upright habit. Less than 10' wide. Red fall color and a Northern Minnesota seed source make this a worthy selection. Slow growing.

ARO #7
 #15 1.25"

Acer saccharum 'Bailsta', Fall Fiesta Sugar Maple 50-60' Zone 3/4
Symmetrical branching with upright rounded habit with thick, leathery deep green leaves. Exceptional yellow and orange red fall colors sets this selection apart from other Sugar Maples. Good shade tree for large areas.

AFF #7 1" min
 #15 1.25"
 #15 1.5"
 #25 1.75"
 #25 2"

Acer saccharum 'Barrett Cole', Apollo® Sugar Maple 20-30' Zone 4
Narrow, dense and compact form make this a smaller shade tree suited for limited space. Slow growing and yellow-orange fall color.

ABT #15 1.25"
 B&B 2"
 B&B 2.5"

Acer saccharum ‘Green Mountain’, Green Mountain Sugar Maple 50-60’ Zone 3/4

Selection of Sugar Maple that does well in Montana. Thick, dark green foliage tolerates heat and wind. Fall color is an attractive yellow to orange. Large stately tree.

AGM	#7	1” min
	#15	1.25”
	#25	1.75”
	#25	2”

Acer saccharinum ‘Silver Queen’, Silver Queen Silver Maple 40-50’ Zone 4

A vigorous grower. Foliage has light green surface with the underside having a silvery appearance. The foliage turns yellow in the fall. May experience tip dieback from winter.

ASQ	#7	1” min
	#15	1.25”
	#15	1.5”

Acer tataricum, Tatarian Maple 15-25’ Zone 3

Small tree or large shrub, similar to *Acer ginnala* in size and features. Dense habit, larger leaves with small lobes. Samaras have early red color followed by yellow-orange fall foliage color. As these are seedling grown, there is variation in habit, size of the lobes on the leaf, and in fall color. Tatarian Maple grows well as a single-stem and is probably a stronger growing plant, and more tolerant of alkaline soils than *Acer ginnala*. Multi-stem are grown with three or more stems.

AT1	#7	1” min
	#15	1.25”
	#15	1.5”

Acer tataricum ‘GarAnn’, Hot Wings Tatarian Maple 15-20’ Zone 3

Small tree or large shrub, similar to *Acer ginnala* in size and features. Dense habit, larger leaves with small lobes. Improved selection of species and the samaras turn scarlet-red in midsummer providing an interesting contrast against the green background of leaves. Yellow-orange fall foliage color and a more uniform growth habit than species. Plant Select 2007. Excellent small tree for planting beneath utility wires and more tolerant of alkaline soils than *Acer ginnala*. Multi-stem are grown with three or more stems.

AHW	#7	
	#15	1.25”
	#15	1.5”
	#20	1.75”
	#25	1.75”
	#25	2”
	B&B	1.75”
	B&B	2”

AH3	multi-stem #7	~3’
	multi-stem #15	4’

We grow a number of trees that are excellent for planting beneath overhead utility wires or on smaller sized properties. This list of tree form plants would include: *Acer ginnala* and *tataricum*; *Amelanchier* species; *Carpinus caroliniana*, *Crataegus* species; *Hydrangea paniculata* species; *Maackia amurensis*; *Malus* species; *Physocarpus opulifolius* ‘Diabolo’; *Prunus* species; *Pyrus ussuriensis* ‘Baillfrost’; *Sorbus decora*; *Syringa* species; and *Viburnum lentago*.

Trees with Good Fall Color

<i>Acer ginnala</i>	Orange-Red	<i>Fraxinus americana</i>	Maroon
<i>Acer glabrum</i>	Orange-Red	<i>Gleditsia triacanthos</i> selections	Yellow
<i>Acer grandidentatum</i>	Orange-Red	<i>Malus</i> ‘Prairifire’	Orange
<i>Acer negundo</i> ‘Sensation’	Yellow-Orange	<i>Malus</i> ‘Spring Snow’	Yellow
<i>Acer x p.</i> ‘Hasselkus’	Red	<i>Populus tremuloides</i>	Yellow
<i>Acer rubrum</i> selections	Yellow-Orange-Red	<i>Prunus maackii</i>	Yellow
<i>Acer saccharum</i> selections	Yellow-Orange	<i>Prunus nigra</i> ‘Princess Kay’	Orange-Maroon
<i>Acer tataricum</i> selections	Yellow-Orange	<i>Quercus rubra</i>	Red-Brown
<i>Acer x freemanii</i> selections	Yellow-Orange-Red	<i>Sorbus decora</i>	Orange
<i>Aesculus glabra</i>	Yellow-Orange-Red	<i>Sobus hybrida</i>	Yellow-Orange
<i>Amelanchier</i> selections	Orange-Red	<i>Tilia</i> ‘Harvest Gold’	Yellow
<i>Betula papyrifera</i>	Yellow	<i>Ulmus</i> selections	Yellow
<i>Crataegus crusgalli inermis</i>	Orange	<i>Viburnum lentago</i>	Maroon
<i>Ginkgo biloba</i>	Yellow-Orange		

Acer x freemanii ‘Jeffersred’, Autumn Blaze Maple 45-60’ Zone 4

Hybrid of Silver and Red Maples. Rapid growing with good red fall color. Resembles a Silver Maple. Use in large areas. May experience some tip die back from winter.

AJF	#7	1” min
	#15	1.25”
	#15	1.5”
	#25	1.75”
	B&B	2.25”
	B&B	2.5”

Acer x freemanii ‘Sienna’, Sienna Glen Maple 50-60’ Zone 3

A potentially hardier selection of the Silver and Red Maple hybrids. More of an upright grower and does not have such a sporadic or wild growing form as Autumn Blaze. This selection seems to have more Red Maple traits than Autumn Blaze which has more Silver Maple traits. Fall color is orange-red to burgundy.

ASG	#7	1” min
	#15	1.25”
	#15	1.5”
	#25	1.75”
	#25	2”
	B&B	2.5”

NEW! Acer x palmatum ‘Hasselkus’, Northern Glow Maple 15-20’ Zone 4

Hybrid selection of a cross between *Acer palmatum* (hardy Z4/5) and *Acer pseudosieboldianum* (Hardy Z4) exhibits orange to red fall color.

ANG	#7
	#25

***Acer x 'Warrenred', Pacific Sunset® Maple* 25-30'** Zone 4

Hybrid Maple that is mid-sized and good as a street tree. The city of Whitefish, MT has specimens that are surviving in boulevards. Upright, round habit. Smooth, glossy dark green foliage in the summer and yellow-orange fall color if leaves do not get frozen first.

APS	#25	1.75"
	#25	2"
	B&B	2"
	B&B	2.5"

***Aesculus glabra, Ohio Buckeye* 20-40'** Zone 3

Rounded habit. Early to leaf and just as early to defoliate. Yellow to orange to red fall color. Suited for large areas, but slow growing. Native to the Eastern United States.

AGL	#7	1" min
	B&B	1.75"
	B&B	2"

***Amelanchier laevis 'JFS-Arb', Spring Flurry Serviceberry* 25-30'** Zone 4

Medium sized tree for smaller residential lots or street tree plantings. Nice tidy habit and great abundance of short lived white flowers, clean medium green foliage, and yellow to orange fall colors.

ASF	B&B	2"
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***Amelanchier laevis 'Rogers', Lustre Allegheny Serviceberry* 20-25'** Zone 4

Excellent uniform and upright habit in a small tree. Orange-red fall color. Use where a narrower, more controlled Serviceberry is desired. Grown only as a single-stem tree form.

ALR	#7	
	#15	1.25"

***Amelanchier x grandiflora 'Autumn Brilliance', Autumn Brilliance Apple Serviceberry* 20-25'** Zone 4

Great four season plant that is an improvement of the species because plants are uniform in habit. In spring stems are covered with white flowers, in summer purple-black fruit and brilliant orange-red color in fall. Winter character is fine in texture and interesting branching habit. Spreading, irregular rounded habit in youth. Multi-stem plants have three or more stems.

AB1	#7	
	#15	1.25"
	B&B	2"
AB3	multi-stem #7	~3'
	multi-stem #15	4'
	multi-stem #25	8'
	multi-stem B&B	8'

More trees are planted too deep than too shallow. Avoid placing the container plug/root ball on disturbed soil that might allow the plant to settle from its original planting depth. For a complete description of how we recommend planting trees, see Pages 8, 9, and 38.

***Betula occidentalis, Water Birch or Western Birch* 20-30'** Zone 3

Native Western River Birch with cherry-brown bark. Bark is slow to turn a gray/white color.

BO3	multi-stem #1	
	multi-stem #5	
	multi-stem #7	

***Betula papyrifera, Paper Birch* 40-50'** Zone 3

Vigorous growing. Has an excellent white bark, though it is slow to turn white. One of the hardiest and longest lived Birches. Does well in varied soil types. Multi-stem has three or more stems. Native.

BP1	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"

BP3	multi-stem #7	
	multi-stem #15	8'
	multi-stem #15	10'
	multi-stem #25	12'

***Betula pendula 'Dalecarlica', Cutleaf Weeping Birch* 40-50'** Zone 2

A large tree noted for its beautiful white bark and weeping habit. An extremely hardy plant for our climate.

BD1	#7	
	#15	1.25"

***Betula platyphylla 'Fargo', Dakota Pinnacle Asian White Birch* 25-30', 15' wide** Zone 4

Columnar habit and yellow-white bark at an early age distinguishes this selection from *Betula papyrifera*. As this is a cultivar, the growth habit is very uniform from plant to plant.

BDP	#7	
	#15	1.25"

***Betula platyphylla 'Jefpark', First Editions® Parkland Pillar Birch* 35-40', 8' wide** Zone 3

Dense, narrow and upright growing. The Parkland Pillar is fast growing and tolerant of heat, drought and alkaline soils.

BPP	#7	
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***Caragana arborescens 'Pendula', Weeping Caragana* 4-8'** Zone 2

Grafted on a 3-4' standard, this makes an especially handsome weeping tree. Good, hardy novelty plant, well suited for small areas.

CPE	#7	
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***Carpinus caroliniana, American Hornbeam* 20-25'** Zone 3

Eastern North America native. Slow growing, irregular shape. Small tree suitable for planting beneath utility wires.

CBB	#10	
	B&B	2"

5 - 24 25 - 49 50+ 1 - 4

Catalpa speciosa, Northern Catalpa 40-60' Zone 4

Very large 6-9" by 3-6" leaves. Tolerant of difficult sites, but coarse and irregular habit, fast growing and weak wooded, along with the large seed pods 9-18" long make this a plant for open areas, not necessarily in a boulevard or manicured residential yard.

CSP	#20	2"
	#25	2.5"
	B&B	2.5"

Celtis occidentalis, Common Hackberry 40-60' Zone 3

Adaptable to drought and poor soils. Tolerant of urban pollution. Rapid growth once established. Yellow fall color. Native.

COC	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"
	B&B	2"
	B&B	2.25"
	B&B	2.5"

NEW! Cercis canadensis 10-15' Zone 4/5

Small multi-stem tree noted for attractive pink flowers before leaves. This is not suitable for Eastern Montana and should be used in protected locations only in Montana if planted at all.

CCR	#7	
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Cornus mas 'Golden Glory', Golden Glory Cornelian Cherry 15-20' Zone 4/5

Small under the wire tree suitable for trial in Missoula and other mild sites in Montana.

CGG	B&B	2"
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Crataegus crusgalli var. inermis, Thornless Cockspur Hawthorn 15-20' Zone 4

A good four season plant, white flowers, thick dark green glossy leaf, proliferation of red fruit, and a winter habit of attractive horizontal branching. A thornless selection. Well suited for small areas.

CC1	#7	
	#15	1.25"
	#15	1.5"
	B&B	2"

Crataegus x mordenensis 'Toba', Toba Hawthorn 15-20' Zone 3

Double white flowers turning to pink. A nice small tree. Sets very little fruit and has light green, glossy foliage. Attractive orange-yellow bark that develops character with age. Well suited for small areas.

CMT	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	B&B	1.75"

5 - 24 25 - 49 50+ 1 - 4

Fraxinus americana 'Autumn Purple', Autumn Purple White Ash 45-50' Zone 4

Reliable purple leaf color early in fall. Seedless. Coarse habit. Large shade tree.

FAP	B&B	2.25"
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Fraxinus americana 'Calypso', Calypso Ash 40-50' Zone 3

Superior hardy White Ash from Manitoba, Canada. Good purple fall color, slow growing. Female selection produces limited seed at maturity. Large growing shade tree.

FAC	#15	1.25"	<i>SOLD OUT</i>
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Fraxinus pennsylvanica 'Patmore', Patmore Green Ash 50-60' Zone 3

Very uniform habit makes this a desirable tree where matched specimens are important. This is a seedless selection with clean, green foliage. Large growing tree.

FP1	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	#25	2.25"
	B&B	2"
	B&B	2.25"
	B&B	2.5"

Ginkgo biloba 'Autumn Gold', Autumn Gold Ginkgo 30-50' Zone 4

Male selection of this living dinosaur. Interesting leaf and growth habit make this a unique selection worthy of further trial in Western Montana.

GAG	#10	
	#15	1.25"
	#20	1.5"
	#25	1.75"
	B&B	2"

NEW! Ginkgo biloba 'The President', The President Ginkgo 30-50' Zone 4

Male selection (seedless) oval habit and good yellow fall color. Worthy of trial in Western Montana.

GBP	#25	1.75"
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Ginkgo biloba 'Princeton Sentry', Princeton Sentry Ginkgo 30-50' Zone 4

Stiffly upright, slow growing, seedless selection of one of the oldest tree species living on Earth. Best reserved for Missoula and surrounding area..

GPS	#20	1.5"
	B&B	2"

Gleditsia triacanthos 'Harve', Northern Acclaim® Honeylocust 30-40' Zone 4

This North Dakota State University selection of Honeylocust is similar to Skyline Honeylocust, but hardier and much slower growing.

GNA	#15	1.25"
	#15	1.5"

5 - 24 25 - 49 50+ 1 - 4

Gleditsia triacanthos 'Imcole', Imperial Honeylocust 30-35' Zone 4
Broad spreading to rounded in habit. Seedless. Yellow fall color.

GIM

#15	1.25"
#15	1.5"
B&B	2"
B&B	2.25"

Gleditsia triacanthos 'Shademaster', Shademaster Honeylocust 40-45' Zone 4
Vase-shaped habit. In maturity broader than Skyline, but more upright than Imperial. Seedless. Yellow fall color.

GSH

#25	1.75"
B&B	1.75"
B&B	2"

Gleditsia triacanthos 'Skycole', Skyline Honeylocust 40-50' Zone 4
Nice shade tree that allows grass to grow beneath. Where leaf litter is a concern, the small leaves and the lack of seed pods make this a good choice. Does well in dry sites with a more alkaline soil. Broadly pyramidal growth habit.

GSK

#7	
#15	1.25"
#20	1.5"
#25	1.75"
#25	2"
B&B	1.75"
B&B	2"
B&B	2.25"

Gymnocladus dioica, Kentucky Coffeetree 40-60' Zone 4
This dramatically coarse textured tree has few branches and takes years to fill out into an attractive specimen, but is worth the wait.

GDI

#20	1.5"
B&B	2"

Hydrangea paniculata 'Limelight', Limelight Hydrangea Single-Stem 6-8' Zone 3
Small tree form Hydrangea with lime-green late summer flowers. Use as an accent plant. Seed head attractive in winter.

HL1

#7	
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Hydrangea paniculata 'Renhy', Vanilla Strawberry™ Hydrangea Single-Stem 8-10' Zone 3
Small tree with white flowers, (vanilla), later changing to pink flowers, (strawberry), can be used as an small accent plant in the landscape. Attractive in winter with the dried flower head.

HV1

#7	
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Trees planted in irrigated turf benefit from allowing the turf to dry in September, then water the trees heavily before the ground freezes. This allows the trees to harden off for winter.

5 - 24 25 - 49 50+ 1 - 4

Maackia amurensis 'JFS-Schichtel1', Maackia 20-25' Zone 3
J. Frank Schmidt introduction. A vigorous grower with a vase shape growth habit. Green leaves with a silver pubescence and white spike-like racemes. Flowers in early summer.

MMN

#7	
#15	

Maackia amurensis 'Summertime', Summertime Maackia 15-20' Zone 3
An interesting small hardy tree with green to brown bark. Leaves emerge with a unique silvery appearance and creamy white flowers in summer.

MAS

#7	
#15	1.25"

It is imperative that customers planting container trees remove the outer one inch of the root plug sides and bottom prior to planting. Cutting the root plug into a cube shape with a 12" wood pruning blade seems the fastest and most complete method (a reciprocating saw does an excellent job). This reduces the opportunity for circling roots to grow unimpeded and potentially weaken or kill the tree as it matures.

Crabapples

Malus 'Coralcole', Coralburst Crabapple 8-10' Zone 3
A very dense, rounded tree that is top grafted on a 42" stem. Green leaves, pink flowers and slow growing. Looks like a lollypop and adds a very distinctive look a small landscape.

MCB

#7	
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Malus 'Dolgo', Dolgo Crabapple 25-30' Zone 2
A large, rounded, white flowering Crabapple. 1" diameter red fruit suitable for canning. Makes a very nice small shade tree and can be used beneath utility wires. Excellent hardiness. Green foliage and good disease resistance. Not an appropriate choice in high traffic areas where fallen apples could create a hazard.

MD1

#7	1" min
#15	1.25"
#15	1.5"
#25	1.75"
#25	2"

Malus 'JFS KW214MX', Ivory Spear Crabapple 12-15' Zone 4
White flowering tree with tight columnar habit and dark green leaves that would work well in small areas like a courtyard. Excellent disease resistance. Small red fruit.

MIS

#7	
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Crabapple #7 container trees will generally be a height of 6' or more.

	5 - 24	25 - 49	50+	1 - 4	
<i>Malus</i> 'JFS KW213MX', Raspberry Spear® Crabapple 10-20'					Zone 4
Excellent disease resistance to scab and fireblight. Diminutive Crabapple with a columnar habit, purple foliage, and magenta pink flowers.					
MRA	#7				
<i>Malus</i> 'JFS-KW5', Royal Raindrops® Crabapple 15-20'					Zone 4
Upright spreading with cutleaf purple foliage, pink-red flower and small red fruit.					
MRR	#7				
<i>Malus</i> 'Louisa', Louisa Crabapple 10-12'					Zone 4
Weeping Crabapple with pink flowers and green leaves. Replaces 'Red Jade' on our plant list.					
MLC	#7				
	#15	1.25"			
<i>Malus</i> 'Prairifire', Prairifire Crabapple 15-20'					Zone 4
Red-maroon to green foliage, red flower, dark red persistent fruit. Upright, spreading habit to a rounded form. Excellent disease resistant foliage. One of the best Crabapples for fall color, which has orange tints.					
MPF	#7				
	#15	1.25"			
	#15	1.5"			
	B&B	1.75"			
	B&B	2"			
	B&B	2.25"			
<i>Malus</i> 'Radiant', Radiant Crabapple 20-25'					Zone 3
Compact rounded habit that lends itself to the landscape where space is limited. Pink flowering, bronze foliage turning to green later in season. Scab is a problem during a wet spring.					
MR1	#7	1" min			
	#15	1.25"			
	#25	1.75"			
	B&B	1.75"			
	B&B	2.5"			
<i>Malus</i> 'Red Splendor', Red Splendor Crabapple 15-20'					Zone 3
A large growing Crabapple known for its hardiness. Pink flowers and small red persistent fruit. Early to leaf out. Spreading habit. Foliage color deep green to maroon.					
MRS	#7				
	#15	1.25"			
	#15	1.5"			
	#25	1.75"			
<i>Malus</i> 'Rejzam', Rejoice Crabapple 15-20'					Zone 4
Very attractive, symmetrical upright habit. Rose-pink flower and dark green foliage with a burgundy tint. Orange-red fall color. Good disease resistance.					
MRE	#7				
	#15	1.25"			

	5 - 24	25 - 49	50+	1 - 4	
<i>Malus</i> 'Royalty', Royalty Crabapple 12-15'					Zone 3
Glossy, deep maroon colored foliage, rounded habit and red flowers with minimal fruit set. Stands out in the landscape. Extremely hardy. Scab is a problem in a wet spring.					
MRY	#5				
	#7				
	#15	1.25"			
	#15	1.5"			
	#25	1.75"			
<i>Malus</i> 'Spring Snow', Spring Snow Crabapple 15-20'					Zone 3
This non-fruiting tree makes this an excellent choice where an attractive, dense, green leafed crabapple is desired. Very uniform grower. Tremendous display of white flowers. Scab is a problem in a wet spring.					
MS1	#5				
	#7	1" min			
	#15	1.25"			
	#15	1.5"			
	#20	1.75"			
	#25	2"			
	#25	2.25"			
	B&B	2.25"			
	B&B	2.5"			
<i>Malus x adstringens</i> 'Durleo', First Editions® Gladiator Crabapple 15-20'					Zone 2
Hardy Crabapple selection similar to Thunderchild in upright habit, pink flower and glossy purple leaf color, but with greater disease resistance.					
MGL	#7				
	#15	1.25"			
	#15	1.5"			
	#25	1.75"			
	B&B	2.25"			
<i>Malus x 'Jeflite', Starlite® Crabapple</i> 15-20'					Zone 2
White flowering Crabapple with small fruit that persists on the tree into winter. This could be used in place of Spring Snow where a small fruited (crabapple) could be tolerated as it is of similar size and habit.					
MJS	#7				
	#15	1.25"			
	#15	1.5"			
	#15	1.75"			

Crabapples seem to benefit from thinning — removing 1/4 to 1/3 of the new growth in the spring after transplanting. This is especially true for B&B specimens.

Crabapple Flower Colors (Leaf Color)		
White	Red	Pink
Dolgo (<i>green</i>)	Prairifire (<i>maroon to green</i>)	Coralburst (<i>green</i>)
Ivory Spear (<i>green</i>)	Royal Raindrops (<i>purple</i>)	Gladiator (<i>glossy purple</i>)
Spring Snow (<i>green</i>)	Royalty (<i>glossy, deep maroon</i>)	Louisa (<i>green</i>)
Starlite (<i>green</i>)		Radiant (<i>bronze turning green</i>)
		Raspberry Spear (<i>purple</i>)
		Red Splendor (<i>deep green to maroon</i>)
		Rejoice (<i>dark green</i>)

Fruiting Apples

Require a pollinator for fruit production

<u>Malus</u> 'Chestnut', Standard Chestnut Fruiting Crabapple	Zone 3
MCH #7	
<u>Malus</u> 'Goodland', Standard Goodland Fruiting Apple	Zone 3
MGD #5	
#7 1" min	
#15 1.25"	
<u>Malus</u> 'Haralred', Standard Haralred Fruiting Apple	Zone 3
MHR #5	
#7	
#15 1.25"	
<u>Malus</u> 'Haralred', Semi-Dwarf Haralred Fruiting Apple	Zone 4
MDR #7	
<u>Malus</u> 'Haralson', Standard Haralson Fruiting Apple	Zone 3
MHA #5	
#7 1" min	
#15 1.25"	
<u>Malus</u> 'Haralson', Semi-Dwarf Haralson Fruiting Apple	Zone 4
MDA #7	
<u>Malus</u> 'Hazen', Std Hazen Fruit Apple	Zone 3
MHZ #7 1" min	

Standard Rootstock – All of our fruiting apples are available on a hardy rootstock (Zone 3). These trees generally attain a height of 20-25' and a width of 25' at maturity.

Semi-Dwarf Rootstock – Malling 7A – Some of our fruiting apples are available on a dwarfing rootstock that reduces the size of the tree by approximately 40 percent. Trees will be approximately 12-15' in height and width.

<u>Malus</u> 'Honeycrisp', Standard Honeycrisp Fruiting Apple	Zone 4
MHC #5	
#7 1" min	
#15 1.25"	
#15 1.5"	
<u>Malus</u> 'Honeycrisp', Semi-Dwarf Honeycrisp Fruiting Apple	Zone 4
MDH #7	
<u>Malus</u> 'Honeygold', Standard Honeygold Fruiting Apple	Zone 4
MHG #5	
#7 1" min	
#15 1.25"	
#15 1.5"	
<u>Malus</u> 'McIntosh', Standard McIntosh Fruiting Apple	Zone 4
MMI #5	
#7 1" min	
#15 1.25"	
#15 1.5"	
<u>Malus</u> 'McIntosh', Semi-Dwarf McIntosh Fruiting Apple	Zone 4
MDM #7	
<u>Malus</u> 'Norland', Standard Norland Fruiting Apple	Zone 3
MNL #7	
<u>Malus</u> 'Red Barron', Standard Red Barron Fruiting Apple	Zone 3
MRB #7 1" min	
<u>Malus</u> 'State Fair', Standard State Fair Fruiting Apple	Zone 3
MST #7	
<u>Malus</u> 'Sweet Sixteen', Sweet Sixteen Fruiting Apple	Zone 3
MSS #5	
#7 1" min	
#15 1.25"	
#15 1.5"	
<u>Malus</u> 'Sweet Sixteen', Semi-Dwarf Sweet Sixteen Fruiting Apple	Zone 3
MDS #7 1" min	
<u>Malus</u> 'Wealthy', Standard Wealthy Fruiting Apple	Zone 4
MWL #7	
<u>Malus</u> 'Whitney', Standard Whitney Fruiting Crabapple	Zone 3
MWT #7	

Pollination of Apple Trees / Apple Color, Seasons and Uses

Use two varieties from the same or similar flowering times.

Early - Hazen, Norland, State Fair, Wealthy, Whitney

Mid - Chestnut, Goodland, Honeycrisp, Honeygold, McIntosh, Red Barron, Sweet Sixteen

Late - Haralred, Haralson (these two are not suitable pollinators for each other)

Variety	Fruit Color	Flowers	Ripening	Uses
Chestnut – Std (Crabapple)	Red	Early to Mid	Early Fall	Eating
Goodland – Std	Red	Mid	Fall	Eating
Haralred/Haralson – Std & Semi-Dwf	Red	Late	Fall	Eating
Hazen – Std	Dark Red	Early	Summer	Eating and Baking
Honeycrisp – Std & Semi-Dwf	Red	Mid	Early Fall	Eating
Honeygold – Std	Yellow	Mid	Fall	Baking
McIntosh – Std & Semi-Dwf	Red	Mid	Fall	Eating
Norland – Std	Red	Early	Summer	Eating and Baking
Red Barron – Std	Yellow-Red	Mid	Fall	Eating and Baking
State Fair – Std	Red	Early	Summer	Eating and Baking
Sweet Sixteen – Std & Semi-Dwf	Dark Red	Mid	Fall	Eating and Baking
Wealthy– Std	Red	Early	Early Fall	Eating and Baking
Whitney – Std (Crabapple)	Red	Early	Summer	Eating

***Ostrya virginiana*, Ironwood 25-40'** Zone 3

Slow growing small tree. Oval to rounded habit. Eastern North American native. Worthy of trial in Western Montana.

OIW	#10	
	B&B	2"

***Physocarpus opulifolius* 'Monlo', Diabolo Ninebark Tree 8-10'** Zone 3

Tree form of red leafed shrub. Exfoliating bark adds interest with this unique small tree. Multi-stem form in shrub section.

PD1	#7
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Picea - See Evergreens Pages 74-77

Pinus - See Evergreens Pages 77-79

***Populus angustifolia*, Narrowleaf Cottonwood 50-60'** Zone 3

Native that grows well in high altitudes. Has a pyramidal growth habit with ascending branches and narrow, willow-like leaves. Tendency to sucker. Not cottonless.

PAG	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"

***Populus deltoides* 'Siouxland', Siouxland Poplar 70-80'** Zone 3

Fast growing with rounded habit at maturity. Tolerates moist soil conditions. Cottonless. Very large tree.

PDS	#5	
	#7	1" min
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"

***Populus* 'Highland', Highland Poplar 45-50'** Zone 3

Upright oval and compact habit makes this desirable where other Poplars would be too large. Cottonless.

PHI	#7	1" min
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***Populus nigra* 'Afghanica', Theves Poplar 50-60'** Zone 3

Very upright, columnar habit used for screening and windbreaks. Fast growing.

PNT	#7	1" min
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***Populus tremula* 'Erecta', Swedish Columnar Aspen 30-40'** Zone 3

Narrow, columnar growing tree, which is excellent for screening. One of the best trees for narrow locations. Leaves similar to Quaking Aspen.

PTE	#5	
	#7	1" min
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"

***Populus tremuloides*, Quaking Aspen 30-50'** Zone 2

Nursery grown Aspen. Very natural in appearance and hardy. Silver bark and, of course, the fluttering of the leaves in the wind make this a superb plant in a naturalized setting. Multi-stem form has three or more stems.

PT1	#1	
	#2	
	#5	
	#7	1" min
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"
	#25	2.25"

PT3	multi-stem #5	
	multi-stem #7	
	multi-stem #15	8'
	multi-stem #15	10'
	multi-stem #25	12'
	multi-stem #25	14'

It is imperative that customers planting container trees remove the outer one inch of the root plug sides and bottom prior to planting. Cutting the root plug into a cube shape with a 12" wood pruning blade seems the fastest and most complete method (a reciprocating saw does an excellent job). This reduces the opportunity for circling roots to grow unimpeded and potentially weaken or kill the tree as it matures.

	5 - 24	25 - 49	50+	1 - 4	
<i>Populus trichocarpa</i>, Black Cottonwood 60-75'					Zone 2
Native Cottonwood. Not cottonless. Moisture tolerant, surviving in river beds. Large growing.					
PTC	#5				
	#7				
	#15				
<i>Populus x acuminata</i>, Lanceleaf Cottonwood 45-60'					Zone 3
Hardy upright Cottonwood. Glossy dark green leaves and yellow fall color. Use in tough situations for instant shade as it grows very fast. This is not a seedless selection. Native.					
PAC	#7				
	#15	1.25"			
	#15	1.5"			
<i>Populus x canadensis 'Robusta'</i>, Robusta Poplar 45-60'					Zone 3
A fast growing cottonless Cottonwood. Broad oval shape. A vigorous grower.					
PRB	#7	1" min			
	#15	1.25"			
	#15	1.5"			
	#25	1.75"			
	#25	2"			

Planting Poplars and Cottonwoods should be avoided in late summer (mid-August/mid-September). Watering these selections **heavily** (10 gallons of water per 1" caliper) at planting, again in early October, and finally prior to freeze up will aid in a successful planting and overwintering.

Peach

<i>Prunus x 'Contender'</i>, Standard Contender Peach (self-fruitful) 12-15'					Zone 4/5
This may be the hardiest peach we can offer for the few peach growing areas of Western Montana.					
PCT	#10				

Fruiting Cherries

<i>Prunus 'Eubank'</i>, Sweet Cherry Pie Cherry (self-fruitful) 12-15'					Zone 4
Bright red sweet tasting fruit, but still a pie cherry. Sweet enough for fresh eating and great for jam, jellies and pies.					
PCP	#7				
<i>Prunus 'Evans Bali'</i>, Standard Evan's Bali Cherry (self-fruitful) 15-20'					Zone 3
Selected for good bud hardiness. Large red fruit that is one of the sweetest sour cherries.					
PBA	#7	1" min			
<i>Prunus 'Lapin'</i>, Standard Lapin Sweet Fruiting Cherry (self-fruitful) 15-20'					Zone 5
Fruit is dark maroon, large and extremely juicy. This is one of the varieties commonly used in the orchards around Flathead Lake.					
PLA	#7	1" min			

	5 - 24	25 - 49	50+	1 - 4	
<i>Prunus 'Mesabi'</i>, Standard Mesabi Pie/Sweet Fruiting Cherry (self-fruitful) 10-14'					Zone 4
A tree of pyramidal habit that is a self-pollinator. Fruit is similar to the <i>Prunus 'Meteor'</i> .					
PME	#7	1" min			
<i>Prunus 'Meteor'</i>, Standard Meteor Pie Cherry (self-fruitful) 10-14'					Zone 4
Produces large, bright red fruit that is somewhat tart. Makes good sauce or pie.					
PMT	#7	1" min			
<i>Prunus 'Montmorency'</i>, Standard Montmorency Pie Fruiting Cherry (self-fruitful) 12-18'					Zone 3
A vigorous grower producing large, tart red fruit. Fruit is firm and juicy and is good for pies or preserves. Most reliably hardy cherry we offer.					
PMO	#5				
	#7	1" min			
	#15	1.25"			

Pollination of Cherries - Eubank, Evans Bali, Lapins, Mesabi, Meteor, and Montmorency are self-fruitful, they do not require pollinators. For ideal pollination, plant two compatible varieties within 50 feet of one another.

Fruiting Plums

<i>Prunus 'Compass'</i>, Standard Compass Cherry Plum (self-sterile) 4-8'					Zone 3
Great for jams and sauces. Fruit is red in color. Clingstone. Good pollinator for other varieties.					
PCC	#7				
<i>Prunus 'Mount Royal'</i>, Standard Mount Royal Fruiting Plum (self-fruitful) 8-12'					Zone 4
Blue European Plum, good for eating right from the tree. Freestone.					
PMR	#5				
	#7				
	#15	1.25"			
<i>Prunus 'Pembina'</i>, Standard Pembina Fruiting Plum (self-sterile) 10-15'					Zone 3
Large, red fruit that is sweet and juicy. A good dessert plum. Clingstone.					
PPN	#7				
<i>Prunus 'Pipestone'</i>, Standard Pipestone Fruiting Plum (self-sterile) 10-15'					Zone 3
A hardy plum that produces large, red, edible fruit. Ripens mid season. Good for jam and jelly. Clingstone.					
PPT	#7				
<i>Prunus 'Toka'</i>, Standard Toka Fruiting Plum (self-sterile) 15-20'					Zone 4
Good pollinator, apricot colored fruit. Clingstone. Vigorous grower.					
PTK	#7				

Pollination of Plums – Mount Royal is self fertile and does not require a pollinator. The remaining selections Compass, Pembina, Pipestone, Toka, and Waneta require a pollinator to maximize fruit production.

5 - 24 25 - 49 50+ 1 - 4

***Prunus 'Waneta'*, Standard Waneta Fruiting Plum (self-sterile) 10-15'** Zone 3

Large red fruit. Clingstone. Old, reliable selection.

PWN #7***Prunus maackii*, Amur Chokecherry 20-30'** Zone 2

Excellent four season small tree. Attractive early white flower, clean green foliage, black fruit that the birds enjoy and fantastic yellow fall foliage. Bark is very appealing, shiny brown to dark red, and exfoliating like Birch. Multi-stem grown with three or more stems.

PM1 #7
#15 1.25"

#15 1.5"

#25 1.75"

PM3 multi-stem #25 6'***Prunus nigra 'Princess Kay'*, Princess Kay Plum 15-20'** Zone 2

Beautiful small tree that is reliably hardy. Profuse, early white flowering, before the leaves appear. Clean, green foliage. Orange to maroon fall color. Attractive smooth, dark brown bark with prominent white lenticels. Occasionally bears fruit. Plant Select 2000.

PPK #7
#15 1.25"***Prunus sargentii 'JFS-KW58'*, Pink Flair® Cherry 15-20'** Zone 5

Flowering Cherry with a narrow vase-shaped habit. Rated as Zone 3b by J. Frank Schmidt and Son Nursery, the breeder of this selection, but our experience suggests Zone 5. Suitable for Missoula Valley in Montana.

PSP #15 1.25"
B&B 2"***Prunus virginiana*, Common Chokecherry 20-30'** Zone 2

Extremely hardy native tree. Forms an oval rounded crown. White flowers in late April give rise to black fruit. This plant suckers freely in the landscape, and the single-stem plant requires frequent sucker removal. Multi-stem form grown with three or more stems.

PG1 #7
#15 1.25"**PG3** multi-stem #1
multi-stem #2
multi-stem #5
multi-stem #7 ~4'
multi-stem #15 4'
multi-stem #15 6'
multi-stem #25 8'

We grow a number of trees that are excellent for planting beneath overhead utility wires or on smaller sized properties. This list would include: *Acer ginnala* and *tataricum*; *Amelanchier* species; *Crataegus* species; *Hydrangea paniculata* species; *Maackia amurensis*; *Malus* species; *Physocarpus opulifolius 'Diabolo'*; *Prunus* species; *Pyrus ussuriensis 'Baillfrost'*; *Sorbus decora*; *Syringa* species; and *Viburnum lentago*.

5 - 24 25 - 49 50+ 1 - 4

***Prunus virginiana 'Canada Red'*, Canada Red Chokecherry 20-30'** Zone 2

Foliage emerges green and later changes to deep purple. A rounded grower with white flowers borne in a raceme and deep purple fruit. This plant does sucker freely in the landscape and should not be considered maintenance free. Extremely hardy. Multi-stem grown with three or more stems.

PR1 #5
#7 1" min
#15 1.25"
#15 1.5"
#20 1.75"
#25 2"
#25 2.25"
#25 2.5"**PR3** multi-stem #1
multi-stem #2
multi-stem #5
multi-stem #7 ~4'
multi-stem #15 6'
multi-stem #15 8'
multi-stem #25 10'***Prunus x cistena*, Single-Stem Purpleleaf Sand Cherry 7-10'** Zone 3

Same deep maroon foliage as the shrub form. Rounded top shows off pink flowers in spring. Multi-stem form in the shrub section.

PC1 #7

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Pears**Requires a pollinator for fruit production.*****Pyrus 'Early Gold'*, Standard Early Gold Fruiting Pear (self-sterile) 15-20'** Zone 3

Canadian selection of an improved seedling of Ure Pear. Use Ure as a pollinator.

PYE #7***Pyrus 'Golden Spice'*, Standard Golden Spice Pear (self-sterile) 15-20'** Zone 3

University of Minnesota selection regarded for hardiness. Use Ure as a pollinator.

PGL #7***Pyrus 'Parker'*, Semi-Dwarf Parker Fruiting Pear (self-sterile) 10-15'** Zone 4

A large, fine grained, tender fruit that is yellow to bronze in color. Upright growth habit is vigorous. Flowers in early May.

PYP #7
#15 1.25"
#15 1.5"

5 - 24 25 - 49 50+ 1 - 4

***Pyrus* 'Summercrisp', Semi-Dwarf Summercrisp Fruiting Pear (self-sterile) 12-15'** Zone 4

Proven hardy selection. Annual bearer produces 2½ -3" pear shaped fruit. Flowers early in May, harvest in mid August. Fruit green with a red blush. Use Parker as a pollinator.

PSM	#7	
	#15	1.25"
	#15	1.5"

***Pyrus* 'Ure', Standard Ure Fruiting Pear (self-sterile) 15-20'** Zone 3

Hardy eating Pear. Greenish-yellow fruit approximately 2" in diameter. Flowers early May. Golden Spice is a good pollinator.

PUR	#7	
	#15	1.25"

Ornamental Pears***Pyrus calleryana* 'Chanticleer', Chanticleer® Flowering Pear 25-35'** Zone 5

Narrow, pyramidal habit with white flowers in the spring. Dark green foliage in summer and reddish-purple fall color. One of the hardier selections of Callery Pear but still struggled at Glacier Nursery for many years before succumbing to winter damage. Frequently specified in Missoula plantings.

PCH	B&B	1.75"
	B&B	2"
	B&B	2.25"
	B&B	2.5"

***Pyrus ussuriensis* 'Bailfrost', Mountain Frost Pear 15-25'** Zone 3

Vigorous, upright growth habit makes for an improved Ussurian Pear selection. The clean, green, thick foliage provides a very tidy appearance in the summer.

PUB	#7	
	#15	1.25"

Pollination of Pears – Use two varieties.

***Quercus macrocarpa*, Bur Oak 50-70'** Zone 3

Native to Montana, slower growing than other Oaks. Hardest Oak for Eastern Montana. Stately tree. Use in large spaces. Corky bark and branches add interest year round.

QMA	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	B&B	2.5"

At Glacier Nursery, LLC, we have found that we can improve the overwintering of tender species by stopping fertilization by the end of July, allowing the plants to be moisture stressed in September (achieving slight wilting by reducing irrigation), and abundantly watering after the first killing frost.

5 - 24 25 - 49 50+ 1 - 4

***Quercus x macdanielii* 'Clemons', Heritage Oak 40-50'** Zone 4

Hybrid between *Q. macrocarpa* and *Q. robur* that has a pyramidal shape in youth and later broad rounded habit with thick green foliage. Vigorous grower.

QMC	#10	
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***Quercus x warei* 'Long', Regal Prince Oak 40-50'** Zone 4

Upright oval habit make this better in smaller planting areas than the larger *Quercus*. This is a hybrid of *Quercus robur fastigiata* and *Quercus bicolor* with a silvery underside of the dark green leaf. Suitable for many sites in Western Montana.

QRP	#10	
	#15	1.25"
	#15	1.5"
	#25	2"
	B&B	2.25"

***Quercus rubra*, Northern Red Oak 50-70'** Zone 4

Excellent red-brown fall color. Use in large areas. Suitable for many sites in Western Montana. Native to the Eastern United States.

QRU	#7	1" min
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	#25	2.25"
	B&B	2.25"
	B&B	2.5"

***Robinia pseudoacacia* 'Purple Robe', Purple Robe Locust 40-50'** Zone 3

Drought tolerant. Dark rose-pink flowers. Brittle branches. Short-lived in Eastern Montana.

RPR	#7	
	#15	1.25"

***Salix alba* 'Vitellina', Golden Willow 30-40'** Zone 2

Large, extremely hardy weeping tree with yellow stems that is fast growing and tough. Use in moist naturalizing situations. Multi-stem can be found in the Shrub section.

SV1	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"

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Salix x 'Prairie Cascade', Prairie Cascade Willow 35-45' Zone 3
Glossy green foliage and golden stem color. Tolerates moist soil conditions. Use in large areas. Rapid growing.

SPC	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"

Sorbus aucuparia, European Mountain Ash 30-40' Zone 3
White flowers, orange fruit and an upright form describe this Mountain Ash. Robust growth rate. Multi-stem has three or more stems. Mountain Ash should not be over watered or planted on sites with poor drainage.

SA1	#7	1" min
	#15	1.25"
	#15	1.5"
	#25	1.75"

SA3 multi-stem #7

Sorbus decora, Showy Mountain Ash 20-25' Zone 2
Native to the Midwest and Northeastern U.S. Slow growing, red fruited Mountain Ash. Beautiful small tree useful in a small area. More resistant to sun scald, which can bother other Mountain Ash. Hardest of Mountain Ash grown at Glacier Nursery, Inc. Multi-stem forms have two or more stems. Mountain Ash should not be over watered or planted on sites with poor drainage.

SD1	#5	
	#7	1" min
	#15	1.25"
	#15	1.5"
	#25	1.75"

SD3 multi-stem #7

Mountain Ash should not be over watered, planted on sites with poor drainage, or planted deep. Planting slightly above grade (3-6") allows excess water to drain away from the tree and is especially useful where turf watering continues late into the fall. Mountain Ash, in particular, can benefit from this practice.

Syringa meyeri 'Palibin', Dwarf Korean Tree Lilac 3-4' Zone 4
Fine dwarf Lilac that is very floriferous at an early age. Fragrant violet-purple flowers and small dark green foliage. Not as vigorous or as hardy as *Syringa patula 'Miss Kim'* in Montana. Grafted on a 40" standard.

SM1 #5

Syringa patula 'Miss Kim', Miss Kim Tree Lilac 4-6' Zone 3
Perhaps the very best of the dwarf lilacs, and a good four season plant. Fragrant pale lilac flowers in spring, dark glossy green summer foliage, burgundy fall color and an attractive winter habit. Hardy. More vigorous and adaptable in Montana than its close cousin *Syringa meyeri 'Palibin'*. Grafted on a 40" standard.

SK1 #5

Syringa reticulata, Japanese Tree Lilac 20-25' Zone 3
Attractive bark, creamy white flowers in June/July. Yellow-green fall color. Grown as both single-stem form (Ivory Silk) and a large specimen multi-stem shrub.

SR3 multi-stem #7
multi-stem #15

Syringa reticulata 'Ivory Silk', Ivory Silk Japanese Tree Lilac 20-25' Zone 4
Attractive small tree that is well suited to a small site. Large creamy white flowers in early July make this a distinctive plant in the landscape. Yellow-green fall color. Single-stem form.

SIS	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	#25	2.25"
	B&B	2"
	B&B	2.5"

Tilia americana, American Linden 40-60' Zone 3
Very large, stately shade tree with large leaves. Rounded growth habit. Not a budded selection, so variation between individual plants exists in both habit and growth rate. Native to North America.

TAM	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"

Tilia americana 'Bailyard', Frontyard Linden 60-75' Zone 3
Slightly more pyramidal in youth than species, but finishes with a rounded habit. Symmetry in branching that the species lacks.

TFY	#15	1.25"
	#15	1.5"
	#15	1.75"

Tilia americana 'Boulevard', Boulevard Linden 50-60' Zone 3
Narrow pyramidal form of American Linden. Ascending branches and upright growth.

TAB	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

***Tilia americana* 'Redmond', Redmond Linden 40-60'** Zone 3/4

Large leaves and coarse winter habit. Very uniform upright habit makes this a good selection where matched specimens are desired.

TAR	#15	1.25"
	#15	1.5"
	#15	1.75"

***Tilia americana* 'Sentry', American Sentry Linden 40-45'** Zone 3

Large leafed Linden with a symmetrical habit that is two thirds as wide as it is tall, which provides for a handsome appearance in the landscape.

TAS	#15	1.25"
	#15	1.5"
	#15	1.75"

***Tilia cordata* 'Greenspire', Greenspire Littleleaf Linden 40-50'** Zone 3

Selection is a very uniform grower with smaller leaves than American Linden selections and odoriferous flowers that often attract bees. The epitome of neat and tidy, it is ideally suited for confined settings and where uniformity is important. One of the best of the Linden selections for Montana regarding hardiness.

TGR	#7	
	#10	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"

***Tilia mongolica* 'Harvest Gold', Harvest Gold Linden 30-40'** Zone 3

Beautiful golden-yellow fall color distinguish this Linden from others. Fast grower that fills out with leaves quickly. Hardy, pyramidal habit and clean green foliage.

THG	#7	
	#10	1.25"
	#10	1.5"
	#15	1.75"
	#15	2"
	#25	2.25"
	#25	2.5"
	#25	3"

A white PVC trunk protector is applied to all field grown Lindens in the fall to prevent sun scald.

More trees are planted too deep than too shallow. Avoid placing the container plug/root ball on disturbed soil that might allow the plant to settle from its original planting depth. For a complete description of how we recommend planting trees see Pages 8, 9, and 38.

***Ulmus americana* 'Brandon', Brandon Elm 60-70'** Zone 3

Fast growing adaptable American Elm from Canada that possesses more of a compact growth habit. The coarsely toothed foliage is unique to its species. Use where Dutch Elm Disease is **not** a problem.

UAB	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

***Ulmus americana* 'JFS-Princell', Colonial Spirit Elm 50-60'** Zone 4

Dutch Elm Disease tolerant American Elm selection originating from New Jersey. Refined (relative to many other American Elms) with an upright vase shape and yellow fall color. Use where Dutch Elm Disease is **not** a problem.

UCS	#15	1.25"
	#15	1.5"

***Ulmus x* 'Morton Glossy', Triumph Elm 40-50'** Zone 4

A hybrid between Vanguard and Accolade with strong upright habit. Tolerant of Dutch Elm Disease. Very rapid growing.

UMG	#15	1.25"
	#15	1.5"
	B&B	2.5"

***Ulmus americana* 'Lewis & Clark', Prairie Expedition Elm 50-60'** Zone 3

This plant is the lone survivor of Dutch Elm Disease and harsh winters in Fargo, ND. Strong grower with a rounded to vase-shaped habit. Glossy foliage and yellow fall color. Use where Dutch Elm Disease is **not** a problem.

ULC	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"

***Ulmus japonica x pumila* 'New Horizon', New Horizon Elm 30-40'** Zone 4

Dutch Elm Resistant hybrid of *Ulmus davidiana* var. *japonica* and *Ulmus pumila*. Upright oval habit and yellow fall color.

UNH	#15	1.25"
	#15	1.5"
	#15	1.75"

***Ulmus japonica x wilsoniana* 'Morton', Accolade Elm 60-70'**

Zone 4

Similar in habit to the American Elm. Good yellow fall color and upright spreading habit. Excellent drought tolerance. Very good Dutch Elm Disease and leaf beetle resistance. Slowest growing of the Elms we grow.

UMT	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"
	B&B	2"
	B&B	2.25"

***Ulmus* 'Patriot', Patriot Elm 40-50'**

Zone 4

Complex Hybrid Elm selected for Dutch Elm Disease Resistance. Vase shaped, fast growing and yellow fall color.

UPT	#15	1.25"
	#15	1.5"

***Viburnum lentago*, Nannyberry Viburnum 12-15'**

Zone 2

Tree form version of the popular large growing Viburnum shrub. Nice white flower and glossy green foliage, maroon fall color and red fruit. Nice accent plant for a small area. Well suited for planting beneath utilities. Native. See shrub section for multi-stem form.

VL1	#7
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Native Tree List

<i>Acer glabrum</i>	<i>Celtis occidentalis</i>	<i>Prunus virginiana</i>
<i>Aesculus glabra</i> (Eastern U.S.)	<i>Cercis canadensis</i> (Eastern U.S.)	<i>Quercus macrocarpa</i>
<i>Betula occidentalis</i>	<i>Ostrya virginiana</i> (Eastern U.S.)	<i>Quercus rubra</i> (Eastern U.S.)
<i>Betula papyrifera</i> (Eastern U.S.)	<i>Populus angustifolia</i>	<i>Sorbus decora</i>
<i>Catalpa speciosa</i>	<i>Populus tremuloides</i>	<i>Tilia americana</i> (Eastern U.S.)
<i>Carpinus caroliniana</i> (Eastern U.S.)	<i>Populus trichocarpa</i>	<i>Viburnum lentago</i> (Eastern U.S.)

Adapted Trees List

Selections of the native species or similar species (from other continents climatologically similar to North America) with many of the same attributes as the native selections, but with improvements such as uniformity, habit, fall color, flower, etc.

<i>Acer ginnala</i>	<i>Gleditsia triacanthos</i> selections
<i>Acer tataricum</i> selections	<i>Populus tremula</i> 'Erecta'
<i>Acer rubrum</i> selections	<i>Prunus virginiana</i> 'Canada Red'
<i>Acer saccharum</i> selections	<i>Robinia pseudoacacia</i> 'Purple Robe'
<i>Fraxinus</i> 'Autumn Purple'	<i>Salix alba</i> 'Vitellina'
<i>Fraxinus pennsylvanica</i> 'Patmore'	<i>Tilia americana</i> selections

Small Trees Less Than 25'

<i>Acer ginnala</i> 15-20'	<i>Malus</i> 'JFS KW213MX' (Rasp. Spear) 10-20'
<i>Acer palmatum</i> 'Red Emperor' 12-18'	<i>Malus</i> 'JFS-KW5' (Royal Raindrops) 15-20'
<i>Acer tataricum</i> 15-25'	<i>Malus</i> 'Prairifire' 15-20'
<i>Acer saccharum</i> 'Barret Cole' 20-25'	<i>Malus</i> 'Radiant' 20-25'
<i>Amelanchier</i> selections 20-25'	<i>Malus</i> 'Red Splendor' 15-20'
<i>Carpinus caroliniana</i> 20-35'	<i>Malus</i> 'Rejzam' 15-20'
<i>Crataegus crusgalli</i> var. <i>inermis</i> 15-20'	<i>Malus</i> 'Royalty' 12-15'
<i>Crataegus x mordenensis</i> 'Toba' 15-20'	<i>Malus</i> 'Spring Snow' 15-20'
<i>Hydrangea</i> p. 'Limelight' 6-8' (tree form)	<i>Malus</i> x 'Jeflite' (Starlite) 15-20'
<i>Hydrangea</i> p. 'Renhy' 8-10' (tree form)	<i>Physocarpus</i> 'Diabolo' 8-10' (tree form)
<i>Maackia</i> a. 'JFS-Schichtel1' 20-25'	<i>Prunus nigra</i> 'Princess Kay' 15-20'
<i>Maackia amurensis</i> 'Summertime' 15-20'	<i>Prunus x cistena</i> 6-8'
<i>Malus</i> 'Coralcole' 8-10'	<i>Prunus</i> 'JFS-KW5' (Pink Flair) 15-20'
<i>Malus</i> 'Durleo' (Gladiator) 15-20'	<i>Pyrus ussuriensis</i> 'Baifrost' 15-25'
<i>Malus</i> 'Ivory Spear' 12-15'	<i>Sorbus decora</i> 20-25'
<i>Malus</i> 'Louisa' 10-12'	<i>Syringa</i> selections 20-25'

B&B BALL SPECIFICATIONS

<u>Caliper</u>	<u>Height</u>	<u>Ball Diameter</u>	<u>Approximate Wt. - Lbs</u>
1.75"	5'	28"	425
2"	6'	28"	475
2.25"	7'	28"	550
2.5"	8'	32"	550
3"	9'	32-36"	680
3.5"	10'	32-36"	680
4"	12'	36-44"	950

The above is only a **guide**. Plant species, root mass, soil type, and especially soil moisture are contributing factors to ball size and weight in addition to tree caliper.

TREE PLANTING INSTRUCTIONS

It is imperative customers planting container trees remove the outer one inch of the root plug sides and bottom prior to planting. Cutting the root plug into a cube shape with a 12" wood pruning blade seems the fastest and most complete method (a reciprocating saw does an excellent job). This reduces the opportunity for circling roots to grow unimpeded and potentially weaken or kill the tree as it matures.

There are different guidelines for tree planting based on profession. Arborists differ from Landscape Contractors and Landscape Architects may differ from Nurserymen. Below are procedures that accommodate these differing professions. Dig the hole twice as wide as the container plug/root ball **but** only as deep as the root plug/ball. Preferably hand dig the last 3-6" so the root plug/ball sits on compacted or undisturbed soil and will not settle deeper than originally planted. Measure the depth of the root ball from the bottom to the base of the tree trunk. Verify the top of the root plug/ball, (as measured above) will be level, or slightly higher (3"), than the existing grade once placed in the hole. Trees are often killed, or have reduced vigor when planted too deep. Backfill with the native soil or a mix of one quarter to one half well blended soil amendments and native soil. Settle the soil with abundant water, mulch if desired and stake the tree to avoid wind damage, placing the stakes outside the planting hole.

For planting balled and burlap trees follow the procedure outlined above. Additionally, handle the plant by the root ball not the top, being careful to avoid tearing the burlap or distorting the shape of the root ball. Avoid handling if the root ball is waterlogged. Place the tree in the hole with the twine, burlap, and basket attached to verify the correct depth and alignment; this makes it easier to make adjustments if needed. Then remove the twine, burlap, and the top two horizontal rings of the wire basket using wire cutters.

SHRUBS

All plants are **established** and rooted into the media with roots to the edge of the plastic container. The potting media contains compost that helps retain moisture, nutrients and reduces the number of plants that blow over in the wind. All plants listed in the shrub section are multi-stem. Single-stem forms are listed in the tree section.

The invoiced price per plant depends upon the number of plants delivered of a species and size on an **individual** order and delivered in **one shipment** to the same location. Orders are invoiced **individually** as they were placed and **are not combined** for volume pricing at shipping and delivery. Quantity column headings at the top of each page will help you price the quantity of plants you are looking for. Price breaks are offered at quantities of 5, 25, and 50+ for plants of the same species and container size. Only select items receive 25 or 50+ pricing. Below is a potting schedule guide:

9 to 12" shrubs are in #1 containers, 6" in diameter, 6" in depth; weighing ~ 6 pounds.

12 to 18" shrubs in #2 containers, 8" in diameter, 8" in depth; weighing ~ 10 pounds. Our #2 and #5 plants are listed without a height designation. Our sales staff can always provide you with information regarding plant size. Please do not hesitate to inquire about the current size of specific plant crops.

2 to 3' shrubs are in #5 containers, 10" and 12" diameter, 11" and 10" in depth; weighing ~ 25 pounds.

3 to 4' shrubs are in #7 containers (unless noted smaller), 14" in diameter, 11" in depth; weighing ~ 40 pounds. Approximately 3 to 4' in height (species dependent). Started from a transplant or a smaller size plant shifted into the larger container. A plant with many stems that provides an instant effect in the landscape.

4 to 6' shrubs are in #15 containers, 17" in diameter, 15" in depth; weighing ~ 100 pounds. Approximately 4 to 6' in height (species dependent). Many of the popular large growing shrubs are offered in a #15 container. These plants are large, full plants, that provide an instant effect in the landscape as a screen or an accent plant. Attributes of these #15 shrubs include vigorous growing plants that are well rounded and full to the base of the plant.

6 to 8' and up shrubs are in #25 containers, 23" in diameter, 18" in depth; weighing ~ 200 pounds. Approximately 6 to 8' in height (species dependent). These plants are tall, large, full plants, that provide an instant effect in the landscape as a screen or an accent plant. Attributes of these #25 shrubs include vigorous growing plants that are well rounded and full to the base of the plant.

There are exceptions to the above schedule, especially with those plants normally graded by width. Many #7 and #15 shrubs are sold with an (~) approximate height designation, **not** as an absolute measure. **Container size is trade designation only.**

Most of the shrubs are overwintered or have grown at Glacier Nursery, LLC for three months or more, though occasionally shrubs are purchased for resale to supplement plant availability. If you have any questions regarding the source of plants purchased from Glacier Nursery, LLC, feel free to ask, as we are more than willing to share that information with you.

SHRUB PLANTING INSTRUCTIONS

Disturbing the container root plug at planting will improve the vigor and longevity of the plant in the landscape. This can be accomplished by using a reciprocating saw with a wood pruning blade as we have described with tree planting. Alternative methods may include slicing the container plug across the plug and butterflying, opening the plant plug in the hole. Another method if the roots of the plug are not tightly circling is to shave down the sides of the plant plug loosening the soil and roots from the plug. These methods assist the plant in establishing into the native soil as well as avoiding circling roots that might constrict plant growth and cause a plant to fall over. Further tips for planting are covered on our website, within the Resources Tab.

Acer ginnala, 'Amur Maple' - See Specimen and Container Trees, Page 9.

Acer ginnala 'Bailey Compact', Bailey Compact Amur Maple 6-10' Zone 4
Dense growing, rounded selection of species. Attains approximately one half or more the size of species.
Useful as a dense screen or shrub border.

AGC #5

Acer glabrum, Rocky Mountain Maple - See Specimen and Container Trees, Page 10.

Acer tataricum 'GarAnn', Hot Wings Tatarian Maple - See Specimen and Container Trees, Page 12.

Alnus tenuifolia, Thinleaf Alder 15-30' Zone 2
Native Alder. Does well in wet areas. Upright oval habit. Suited for naturalized areas. Grown as a multi-stem.

ATF #1
#5
#15 4'
#15 6'

Amelanchier alnifolia 'Obelisk', First Editions® Standing Ovation Serviceberry 10-15' Zone 2
A four foot wide variety of Serviceberry, especially well suited as a tall, narrow hedge.

AAO #2
#5

Amelanchier alnifolia 'Regent', Regent Serviceberry 4-6' Zone 2
A low growing, white flowering shrub that produces an excellent edible purple fruit. Also displays good fall color that ranges from yellow to maroon. Very hardy. An attractive plant for naturalization or massing. Birds enjoy the fruit and deer browse this plant as well. As a cultivar this offers uniformity of habit and size compared to species.

ARG #2
#5

Amelanchier alnifolia, Saskatoon Serviceberry 6-10' Zone 2
Native Serviceberry useful as a naturalizing or xeriscape plant. White flowers, yellow to orange fall color. Seedling grown, resulting in variations in habit such as width and height.

AAL #1
#2
#5
#7 ~3'

Amelanchier x grandiflora, 'Autumn Brilliance' - See Specimen and Container Trees, Page 14.

Amorpha canescens, Leadplant 2-4' Zone 4
More of an herbaceous perennial with a broad, rounded habit and gray-green foliage that contrasts with many other shrubs.

ACS #1

All shrubs listed in this section have multiple stems.

Arctostaphylos uva-ursi 'Massachusetts', Massachusetts Kinnikinnick - See Perennials Page 85.

Aronia melanocarpa 'Autumn Magic', Autumn Magic Black Chokeberry 3-5' Zone 3
Fragrant white flowers in the spring give way to clusters of edible dark purple-black berries. Dark glossy leaves turn red and purple in the fall. More compact selection of the species.

AAM #2
#5

Aronia melanocarpa 'Low Scape', Low Scape® Mound Aronia 1-2' Zone 4
Low growing mounded habit. Tolerates a wide range of growing conditions.

AME #2

Aronia melanocarpa 'Morton', Iroquois Beauty Black Chokeberry 2-3' Zone 3
Starts with white flowers in the spring, black berries in the summer and ends in the fall with a wine-red color. Great in mass plantings. Very adaptable to both wet and dry conditions. Half sized version of *Aronia melanocarpa* var. *elata*.

AMT #2
#5

Aronia melanocarpa var. *elata*, Glossy Black Chokeberry 4-8' Zone 3
Noted for its brilliant deep maroon fall color, attractive purple-black fruit and dark green glossy foliage. A profuse suckering plant that will tolerate diverse soil types. Upright habit. Use in shrub borders or massed.

AML #2
#5

NEW! Aronia melanocarpa 'Viking', Viking Black Chokeberry 5-6' Zone 3
Large dark purple edible (tart) fruit. Attractive white flowers and red fall color that serves as a smaller shrub that will not grow large in the landscape. This selection is notable for the large fruit that is high in antioxidants.

AVK #2

Artemisia cana, Sagebrush 2-5' Zone 3
Small mounding shrub, more upright than spreading. Native throughout the west. Drought tolerant.

ACA #1
#5

Artemisia tridentata, Basin Big Sagebrush 4-8' Zone 3
Silver-gray foliage, aromatic leaves and stems. Holds leaves late into season. Native plant to be used in a naturalized setting. Drought tolerant.

ATD #1
#5

Berberis thunbergii 'Admiration', Admiration Barberry 12-18" Zone 4
Orange-red foliage, throughout summer, make this unique amongst Barberries.

BAD #2

***Berberis thunbergii* 'BailErin', First Editions® Limoncello™ Barberry 3-4'** Zone 4

Yellow-green foliage with a red margin sets this tidy round Barberry apart from the rest. Use Limoncello flavored liquor in your mojitos as a substitute for lime juice and sugar.

BTL #2

***Berberis thunbergii* 'Concorde', Concorde Barberry 2'** Zone 4

Deep dark purple foliage and an upright habit distinguish this selection from the Crimson Pygmy, which is slightly larger at maturity.

BCC #2
#5

***Berberis thunbergii* 'Crimson Pygmy', Crimson Pygmy Barberry 2-3'** Zone 4

Dwarf form of Japanese Red Leaf Barberry with rounded habit. Good for foundation or hedge plantings. Use in protected locations.

BCP #1
#2
#5

***Berberis thunbergii* 'Gold Pillar', Sunjoy Gold Pillar™ 3-4'** Zone 4

Proven Winner selection similar to the Helmond Pillar Barberry, but with bright yellow foliage throughout the summer and showing some orange fall color.

BGP #2

***Berberis thunbergii* 'Helmond Pillar', Helmond Pillar Japanese Barberry 4-5'** Zone 4

Stiffly upright growing Barberry with red-purple foliage.

BHP #2

***Berberis thunbergii* 'Monlers', Golden Nugget Dwarf Barberry 12"** Zone 4

A tidy dwarf Barberry with golden foliage. Makes a good contrast in the landscape.

BGN #1
#2

***Berberis thunbergii* 'Orange Rocket', Orange Rocket Barberry 3-4'** Zone 4

Upright Barberry with orange-red foliage color that deepens to dark red later in the summer. Can be used as a hedge plant.

BOR #2
#5

***Berberis thunbergii* 'Rose Glow', Rose Glow Barberry 3'** Zone 4

Dense, rounded habit with rose-red foliage mottled with cream colors.

BRG #1
#2
#5

Betula occidentalis*, Water Birch or Western Birch** - See Specimen and Container Trees, Page 15.Buxus* 'Green Mountain', Green Mountain Boxwood 4-5'** Zone 5

A relatively fast growing, dense and upright Boxwood. Naturally cone-shaped. Use only in mild areas of Montana.

BGM #2

***Buxus microphylla* 'Wintergreen', Wintergreen Littleleaf Boxwood 2'h** Zone 4

Hardy, slow growing evergreen with bright green summer foliage and copper-green foliage during winter.

BWL #2

***Buxus* x 'Green Velvet', Green Velvet Boxwood 2-3'h** Zone 5

A slow growing, compact globe shaped broadleaf. It's bright glossy-green leaves and tidy appearance create a formal aspect in the landscape. Use only in mild areas of Montana.

BGV #2
#5

***Caragana arborescens*, Siberian Peashrub 15-20'** Zone 2

Large growing shrub, yellow flowers, legume (so it has a pod), and small leaves that are not a nuisance in the fall. Use in shrub border, screen or windbreak. Extremely hardy and drought tolerant.

CAR #1
#2
#5
#7 ~3'

***Caragana frutex* 'Globosa', Globe Caragana 2-3'** Zone 2

Hardy, drought tolerant dwarf shrub. Slow growing rounded habit. Excellent medium green foliage in spring. Resistant to drought. Useful in xeriscape settings as a hedge or when massed.

CFG #2
#5

***Caragana pygmaea*, Pygmy Caragana 3-4'** Zone 3

Small light green leaves and thin twigs produce an interesting, fine textured, upright plant both in the summer and winter. Drought resistance and hardiness make this a useful plant in xeriscape plantings. Attractive small yellow flowers borne profusely. Good low growing hedge or massed planting.

CPG #2

Caryopteris* x *clandonensis*, Blue Mist Caryopteris** - See Perennials Page 87.Cercocarpus ledifolius*, Curl Leaf Mountain Mahogany 10-20'** Zone 4

Drought tolerant, large native shrub with semi-evergreen foliage. Variable in size and habit.

CCM #1
#5

***Cercocarpus montanus*, Common Mountain Mahogany 4-8'** Zone 2
Native shrub with gray-green leaves. Variable in size and habit.

CMN #1
#5

***Chrysothamnus nauseosus albicaulis*, Tall Blue Rabbitbrush 3-6'** Zone 3
Blue leafed version of species with late summer clusters of yellow flowers. Drought tolerant.

CNB #1
#5

***Chrysothamnus nauseosus graveolens*, Tall Green Rabbitbrush 3-6'** Zone 3
Green leafed version of the species with late summer clusters of yellow flowers. Drought tolerant.

CNG #1
#5

***Clethra alnifolia* 'Hummingbird', Hummingbird Summersweet 3-5'** Zone 4
Dark green foliage with attractive white flower spikes in the summer long after most shrubs have flowered. Tolerates shade and moist sites.

CAA #2

***Cornus alba* 'Argenteo-marginata', European Variegated Dogwood 6-10'** Zone 3
A plant that truly stands in out in both summer and winter. Foliage is green with a creamy white margin. Winter stem color is a deep red making a nice contrast against snow. Use in shrub border or as an accent plant. It is quite dramatic against a dark colored backdrop.

CAM #2
#5

***Cornus alba* 'Bailhalo', Ivory Halo Dogwood 5-6'** Zone 3
Similar to *Cornus alba* 'Argenteo-marginata', except more compact and finer texture. Slow growing. Use as an accent plant in a shrub border or massed in the landscape planting.

CBH #1
#2
#5
#7 ~3'

***Cornus baileyi*, Red Twiggged Dogwood 8-10'** Zone 3
Large growing, red stemmed Dogwood. White flowers and blue-purple fruit. Shade tolerant. Not as stoloniferous as *Cornus coloradensis* according to Dr. Dirr. Use in shrub border or for large areas. Not for confined locations.

CSB #1
#2
#5
#7 ~4'

***Cornus sericea* 'Alleman's Compact', Alleman's Compact Dogwood 5-6'** Zone 3
Similar to the Red Osier except more compact form. Deep wine-red stem color. Excellent in mass planting.

CAC #2
#5

***Cornus sericea* 'Bailadeline', First Edition Firedance Dogwood 3-4'** Zone 3
More compact selection of *Cornus baileyi*. Similar in size to *Cornus s. 'Isanti'*. Rounded habit.

CFD #2
#5

***Cornus sericea* var. *coloradensis*, Colorado Red Osier Dogwood 8-10'** Zone 3
Native red stemmed Dogwood noted for its deep red to brownish stems. Very stoloniferous, hence, tough to confine in the landscape. White flowers and bluish-white fruit. Use in shrub borders.

CSC #1
#2
#5
#7 ~4'
#15 ~5'

***Cornus sericea* 'Flaviramea', Yellow Twiggged Dogwood 6-8'** Zone 3
Yellow stem color makes this an interesting plant in the winter landscape. Green foliage during the summer. A large, rapid growing shrub for the border.

CSF #2
#5

***Cornus sericea* 'Isanti', Isanti Dogwood 5-6'** Zone 3
A very desirable, dense and compact red Dogwood. Wide spreading, often as wide as tall. White flowers and white fruit. A nice addition to the landscape that can be used in the shrub border, massed as a hedge for winter effect or in a foundation planting because of its small size.

CSI #1
#2
#5

***Cornus stolonifera* 'Farrow', Arctic Fire Dogwood 3-4'** Zone 3
A compact selection of Red Twiggged Dogwood. Similar in size to *Cornus s. 'Isanti'*. Upright habit and less prone to sucker in the landscape.

CFI #2
#5

Midsummer planting of *Cornus* (Dogwood), *Physocarpus*, *Potentilla*, and *Spiraea* may result in wilting due to inadequate moisture in the pot. To avoid this damage, water thoroughly in the pot and in the landscape after planting. Also, trim the tips of the plants removing 2-4 inches of the newest luscious growth.

***Cotinus coggygria* 'Royal Purple', Royal Purple Smokebush 8-10'** Zone 5

Marginally hardy *Cotinus* that may experience winter dieback, but grows back quickly. Beige flowers in midsummer contrasts with the purple foliage. Upright habit.

CRP #2
#5

***Cotoneaster apiculatus*, Cranberry Cotoneaster 2-3'** Zone 4

Dense mounded, low growing shrub with branches that arch over and touch the ground. Pink flowers in June, large red fruit in August/September. Hardy in protected locations.

CAP #2

***Cotoneaster lucidus*, Hedge (Peking) Cotoneaster 6-10'** Zone 2

A very hardy shrub noted for its excellent maroon fall color and its persistent black fruit. Upright grower, small leaves, tolerant of shearing. Use as a hedge or shrub border.

CLU #1
#2
#5
#7 ~3'

***Daphne x burkwoodii* 'Carol Mackie', Carol Mackie Daphne 2-3'** Zone 4

Dense mounded form with distinctive variegated foliage. Fragrant pink flowers in late spring. Prefers a cool, dry or well-drained site. Plant Select 1997.

DCM #2

***Diervilla lonicera*, Dwarf Bush Honeysuckle 4'** Zone 3

Low growing, mounded, spreading shrub with bronze-green foliage and yellow flowers in early summer.

DVL #1
#2
#5

***Elaeagnus commutata*, American Silverberry 6-8'** Zone 2

Attractive silver-gray foliage that is very unique in the landscape. Hardy. Native species through upper Great Plains and Canada.

ECB #1
#5

***Euonymus alatus*, Winged Euonymus or Burning Bush 12-15'** Zone 4

Large dense shrub with exceptional red fall color that persists. Rounded habit with corky wings on the stem adding winter interest. Use in shrub borders, accent planting or hedges.

EAL #1
#2
#5
#7 ~3'

***Euonymus alatus* 'Compactus', Dwarf Burning Bush 5-6'** Zone 4/5

Dwarf form of *Euonymus alatus*. Not as hardy a species.

EAC #1
#2
#5
#7

***Forsythia* 'Meadowlark', Meadowlark Forsythia 8-10'** Zone 3

Flower buds hardy to -35°F make this one of the most reliable Forsythias for Northern landscapes. One of the earliest plants to flower in spring with yellow flowers appearing before the leaves. Use in shrub borders.

FMD #2
#5

***Fothergilla gardenii*, Dwarf Fothergilla 3-4'** Zone 4

Slow growing rounded habit with showy white flowers in the spring, blue-green foliage in the summer turning to a vibrant red, orange and yellow in the fall. Resembles *Hamamelis* only smaller. Tolerates shade. This plant has really thrived in the landscape at Glacier Nursery, LLC, and warrants wider use in Montana.

FGD #2

***Holodiscus discolor*, Ocean Spray 4-6'** Zone 4

Western native similar to *Physocarpus* with a creamy white flower pinnacle that is initially held above the foliage, but later droops and remains showy even as it dries. Drought tolerant, but will grow larger with moisture.

HDD #5

***Hydrangea arborescens* 'Annabelle', Annabelle Hydrangea 3-5'** Zone 3

Shade tolerant, fast growing, herbaceous shrub. Large white flowers during summer that stand out in any landscape when few shrubs are flowering at the same time. An added bonus to this plant is that it will flower in the shade.

HAA #1
#2

***Hydrangea macrophylla* 'Bailmer', Endless Summer Hydrangea 3-5'** Zone 4

Selection from Bailey Nursery that flowers on new and old wood all summer long. Flowers grow up to 8" in diameter with pink flowers in neutral or alkaline soils, and blue flowers in acidic soil.

HES #2
#5

***Hydrangea macrophylla* 'Twist-n-Shout', Twist and Shout Bigleaf Hydrangea 3-5'** Zone 4

Flowering pink in the center of the corymb with pink or blue flowers on the edge of the corymb, depending on the soil type.

HTS #2

	5 - 24	25 - 49	50+	1 - 4	
NEW! <i>Hydrangea paniculata</i> 'Bobo', Bobo Panicle Hydrangea 3'					Zone 3
Half size selection of <i>Limelight</i> and <i>Berry White Hydrangea</i> .					
HPB	#2				
<i>Hydrangea paniculata</i> 'Limelight', Limelight Hydrangea 6-8'					Zone 3
Shrub form with large lime-green late summer flowers. Tree form in tree section.					
HL3	#2				
<i>Hydrangea paniculata</i> 'Renba', Berry White Hydrangea 6-7'					Zone 3
A hardy flowering <i>Hydrangea</i> that progresses from a white flower through shades of pink to red.					
HBW	#2				
<i>Hydrangea paniculata</i> 'Renhy', Vanilla Strawberry™ Hydrangea 6-8'					Zone 4
Another <i>Hydrangea</i> selection, this one noted for its long lasting, large white flower heads that eventually turn strawberry-red in color. Tree form in tree section.					
HVS	#2				
<i>Ligustrum vulgare</i> 'Cheyenne', Cheyenne Privet 6-8'					Zone 3
Large upright hedge. Rapid growing with multiple canes. Very dense in summer and winter. Toxic foliage and berries.					
LVC	#2				
<i>Lonicera involucrata</i>, Twinberry Honeysuckle 3-6'					Zone 3
Native shrub with an upright habit. Tolerates shade. Light green leaf color and an interesting purple-black fruit.					
LIV	#1				
	#5				
<i>Lonicera tatarica</i> 'Arnold Red', Arnold Red Honeysuckle 6-8'					Zone 3
Resistant to Russian aphid. Blue-green foliage and dark red flowers. Use in shrub borders.					
LHA	#2				
NEW! <i>Lonicera</i> 'Honeyrose', Honeyrose Honeysuckle 8-10'					Zone 4
Large growing shrub with blue green summer foliage and yellow fall color. Use in place of Arnold's Red.					
LHR	#5				
<i>Magnolia kobus</i> var. <i>stellata</i> 'Royal Star', Royal Star Magnolia 8-10'					Zone 4
A hardy Japanese <i>Magnolia</i> with a smaller habit than the Merrill <i>Magnolia</i> . Pink buds emerge to fragrant white flower in early spring. Foliage is deep green turning to bronze color in the fall. Use only in mild areas of Montana.					
MGR	#5				
<i>Mahonia aquifolium</i>, Oregon Grape Holly 3-5'h, 3-6' spread					Zone 4
Broad leafed evergreen with holly-like leaves. Needs protection from winter sun and wind.					
MAQ	#5				

***Mahonia repens*, Creeping Mahonia** - See Perennials Page 96.

	5 - 24	25 - 49	50+	1 - 4	
<i>Philadelphus lewisii</i> 'Blizzard', Blizzard Mockorange 4-5'					Zone 4
A larger flowered Canadian selection of the native species. Use massed in a naturalized setting.					
PLB	#2				
	#5				
<i>Philadelphus lewisii</i> 'Cheyenne', Cheyenne Mockorange 6-8'					Zone 3
A selection of the native <i>Mockorange</i> with up to 1¼" white flowers. Shade tolerant. Plant Select 2001.					
PCY	#1				
	#5				
<i>Philadelphus lewisii</i>, Lewis Mockorange 6-8'					Zone 3
Native <i>Mockorange</i> use for naturalization. Shade tolerant.					
PLW	#1				
	#2				
	#5				
<i>Philadelphus microphyllus</i>, Littleleaf Mockorange 3-4'					Zone 3
Small leafed native <i>Mockorange</i> that provides a fine texture in the landscape. Slow growing, rounded habit.					
PMC	#1				
<i>Philadelphus</i> x '<i>Buckley's Quill</i>', Buckley's Quill Mockorange 4-6'					Zone 4
Canadian selection with large (1") double white flowers that have long narrow petals. Attractive green foliage. Slower growing than other selections and an attractive compact habit.					
PBQ	#5				
<i>Philadelphus</i> x <i>virginalis</i> 'Minnesota Snowflake', Minnesota Snowflake Mockorange 6-8'					Zone 4
Hardest of the <i>Mockoranges</i> , having large, double white flowers 2" across that are very fragrant. Use in the shrub border or massed.					
PMN	#2				
	#5				
<i>Physocarpus monogynus</i>, Mountain Ninebark 3-4'					Zone 3
Native shrub noted for attractive orange to red fall color. Will tolerate partial shade. Use in a naturalized situation.					
PCM	#1				
	#5				
<i>Physocarpus opulifolius</i> 'Dart's Gold', Dart's Gold Ninebark 3-4'					Zone 3
Striking yellow foliage and an almost copper fall color makes this a true accent plant for summer and fall. Shorter growing than other <i>Ninebarks</i> .					
PDG	#2				
	#5				

Midsummer planting of *Cornus* (Dogwood), *Physocarpus*, *Potentilla* and *Spiraea* may result in wilting due to inadequate moisture in the pot. To avoid this damage, water thoroughly in the pot and in the landscape after planting. Also, trim the tips of the plants removing 2-4 inches of the newest luscious growth.

5 - 24 25 - 49 50+ 1 - 4

***Physocarpus opulifolius* var. *nanus*, Dwarf Ninebark 4-6'** Zone 3

Beautiful wine-red fall color saves this plant from total obscurity. Stems exfoliate, making an interesting winter character. Use in shrub borders or massed for naturalization. Shade tolerant. Similar to native species.

PNA #1
#2
#5

***Physocarpus opulifolius* 'Donna May', First Editions® Little Devil Ninebark 3-4'** Zone 4

Shorter growing burgundy foliage and pink-white flowers in the spring contrast against dark foliage make this Ninebark unique. The least hardy of the maroon-red Ninebark.

POL #2
#5

***Physocarpus opulifolius* 'Monlo', Diabolo® Ninebark 8-10'** Zone 3

Robust growing, reddish-purple leafed form of species. Foliage emerges dark green and then turns reddish-purple. Use in the shrub border or as an accent plant.

POD #1
#2
#5
#7
#15

***Physocarpus opulifolius* 'Seward', Summer Wine Ninebark 5-6'** Zone 3

This is a compact variety with dark crimson-red foliage. Flowers are white with a hint of pink in the summer and are very striking against the dark foliage. Ideal for small planter beds or landscapes.

POS #1
#2
#5

***Potentilla fruticosa* 'Abbotswood', Abbotswood Potentilla 2-3'** Zone 2

White flowering Potentilla with large flowers that are displayed for most of the summer. Bluish-green foliage and spreading habit. Use as facer plant or massed for mid season color.

PFA #1
#2
#5

***Potentilla fruticosa* 'Bailbrule', First Editions® Crème Brûlée™ Potentilla 3-3½'** Zone 2

Double white flowering Potentilla. Larger than Abbotswood.

PCB #2

***Potentilla fruticosa* 'Bailmering', First Editions® Lemon Meringue™ Potentilla 2-3'** Zone 2

Light, double yellow flowers with a compact habit.

PLM #2

Potentillas can be pruned hard while dormant, removing up to half the growth. Most plants that flower on new wood perform well when trimmed. Similarly, for example, are Spiraea species.

5 - 24 25 - 49 50+ 1 - 4

***Potentilla fruticosa* 'Gold Drop', Gold Drop Potentilla 2'** Zone 3

One of the shorter growing, smaller leafed Potentilla with intense yellow flowers borne all summer long. Use in mass or as a colorful facer plant.

PGD #2
#5

***Potentilla fruticosa* 'Goldfinger', Goldfinger Potentilla 3'** Zone 2

Rounded compact habit with large 1½" yellow flowers covering the entire plant throughout summer.

Considered one of the best selections because of the long period of flowering. Use as a facer plant or for massing of summer color.

PGF #1
#2
#5

***Potentilla fruticosa* 'Goldstar', Goldstar Potentilla 2'** Zone 2

Low growing and spreading, wider than tall. Yellow flower similar to Goldfinger Potentilla. Large pubescent deep green foliage. One of the best of the low growing selections.

PGS #2
#5

***Potentilla fruticosa* 'Jackmanii', Jackman Potentilla 3-4'** Zone 2

Large upright growing with deep yellow flowers. Largest leaf of the Potentilla we offer. Use as a facer plant or grouped in masses.

PJK #1
#2
#5

***Potentilla fruticosa* 'Katherine Dykes', Katherine Dykes Potentilla 2-3'** Zone 2

Gray-green foliage, spreading habit and soft yellow flowers. Use as facer plant or massed. Similar to native species.

PKD #2
#5

***Potentilla fruticosa* 'Pink Beauty', Pink Beauty Potentilla 2-3'** Zone 3

The best of the pink flowering selections. Holds the distinct pink color even in Montana's heat. Reasonably vigorous. Attractive, lustrous medium green foliage. Best flower color is achieved with light shade.

PFP #1
#2
#5

***Potentilla fruticosa* 'Tangerine', Tangerine Potentilla 2-3'** Zone 2

Flowers are deep yellow in sun, **almost** orange in light shade. Spreading, sprawling habit. Use as a facer plant or massed for color.

PFT #1
#2
#5

5 - 24 25 - 49 50+ 1 - 4

***Potentilla fruticosa* 'UMan', Mango Tango Potentilla 2'** Zone 2

Canadian bred, small growing Potentilla with orange and red shades over the deep yellow petals. Fades to yellow in intense sun.

PFU #2

***Potentilla fruticosa* 'Yellow Gem', Yellow Gem Potentilla 1-2'** Zone 2

A slow spreading, low growing (almost creeping), yellow flowered variety. Foliage gray and hairy.

PYG #2
#5***Potentilla fruticosa*, Native Yellow Potentilla 2-3'** Zone 2

Irregular native Potentilla from which numerous selections have been made.

PFR #1
#5***Prunus americana*, American Plum 15-20'** Zone 3

Widespread U.S. native. Large growing shrub excellent for wildlife habitat both as a food source and as shelter. Suitable pollinator for many fruiting plums.

PA3 #1

***Prunus besseyi* 'Pawnee Buttes', Pawnee Buttes Western Sand Cherry 1-2'** Zone 3

Wide spreading, low growing version of species. Tolerant of dry soils. Use massed or as a facer plant. Plant Select 2000.

PBP #2
#5***Prunus besseyi*, Western Sand Cherry 5-6'** Zone 3

Blue-green foliage. White flowers before leaves. Native shrub that tolerates dry conditions. Orange-red fall color. Use in shrub borders or massed.

PBS #2
#5***Prunus tenella*, Dwarf Russian Almond 2-5'** Zone 3Similar to *Prunus fruticosa*. Pink to red flowers. Hard, fuzzy almond-like fruit. Irregular suckering shrub.PTN #1
#5***Prunus tomentosa*, Nanking Cherry 8-10'** Zone 2

Fragrant white flowers. Bright red edible fruit almost 1/2" across. Yellow fall color. Provides wildlife habitat.

PTM #2
#5***Prunus x cistena*, Purpleleaf Sand Cherry 7-10'** Zone 3

Outstanding deep maroon glossy foliage all season long makes this a widely used accent plant. Use in shrub borders and massed in large areas. Single-stem form in tree section.

PC3 #2
#5

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Prunus virginiana*, Common Chokecherry** - See Specimen and Container Trees, Page 29.Prunus virginiana*, 'Canada Red Chokecherry'** - See Specimen and Container Trees, Page 28.Blossom Blight is a common occurrence on *Prunus* species in the spring. It is a fungus that begins at flowering and may continue into bud break. It can be controlled with fungicides at flowering and bud break.***Rhamnus frangula* 'Ron Williams', Fine Line® Buckthorn 4-6'** Zone 3

Fine Line combines the narrow (fern) leafed selection with the columnar habit of Tallhedge.

RFL #2
#5***Rhododendron* 'Lilac Lights', Lilac Lights Azalea 3-4'** Zone 4

An improved, more uniform selection of Orchid Lights Azalea with slightly smaller deep lilac flowers.

RLI #2

***Rhododendron* 'Mandarin Lights', Mandarin Lights Azalea 4-5'** Zone 4

Brilliant bright mandarin-orange flowers in early spring. Deciduous.

RML #2

***Rhododendron* 'Northern Hi-Lights', Northern Hi-Lights Azalea 4-5'** Zone 4

Cream colored flowers and burgundy fall color. Deciduous. Fragrant.

RNH #2

***Rhododendron* 'Rosy Lights', Rosy Lights Azalea 4-5'** Zone 4

Dark rosy-pink flowers late in May and early June. Deciduous.

RRL #2

***Rhododendron* 'P.J.M.', P.J.M. Rhododendron 4-5'** Zone 4

An extremely hardy Rhododendron. Masses of lavender flowers in spring. Needs moist, well drained, acidic soil. Evergreen.

RPJ #2
#5***Rhus aromatica* 'Gro-low', Gro-low Fragrant Sumac 2-3'** Zone 4

Drought tolerant. Low growing, spreading Sumac (up to 6' wide) with orange to red fall color. Great for slope stabilization. Use as a facer plant or massed.

RGO #2
#5***Rhus glabra*, Smooth Sumac 6-10'** Zone 3

Drought tolerant Sumac with smooth glaucous stems and brilliant red fall color. A coarse grower. Best in shrub borders.

RGA #2

***Rhus typhina* 'Bailtigor', First Editions® Tiger Eyes® Cutleaf Staghorn Sumac 6'** Zone 4

Golden leaved form of Cutleaf Sumac that provides an interesting accent in the shrub border. A Bailey Nursery introduction.

RTE #2

***Rhus trilobata*, Three Leafed Sumac 3-6'** Zone 4

Native, drought tolerant, low growing shrub that forms a dense thicket.

RTR #1
#2
#5
#7

***Rhus typhina*, Staghorn Sumac 10-15'** Zone 3

Drought tolerant, hairy stem and brilliant red fall color. Best in shrub borders. Very coarse grower.

RTY #2
#5

***Ribes alpinum*, Alpine Currant 3-5'** Zone 2

Extremely hardy hedge plant. Glossy green foliage, adaptable to shade. Accepts shearing well and is easily shaped into formal hedges.

RAL #1
#2
#5

***Ribes alpinum* 'Green Mound', Dwarf Alpine Currant 3-5'** Zone 3

An excellent selection of Alpine Currant that grows wider than tall and is rounded in habit. Leafs out early, grows in sun or shade and is sterile. A nice hedge or facer plant.

RGM #2
#5

***Ribes aureum*, Yellow Flowering Currant 6'** Zone 2

Hardy native shrub with fragrant yellow flowers in spring and black berries in summer. Light green to pale yellow foliage.

RAR #1
#2
#5

***Ribes cereum*, Wax Currant 2-4'** Zone 2

Dense native rounded shrub with waxy gray-green leaves. Bright red marble sized fruit, in late summer.

RCR #1
#5

Ribes (Gooseberry and Currant), Rubus (Raspberry), Vitis (Grape), Vaccinium (Blueberry), and all our small fruits are listed on Pages 111-113.

Smaller Selections of the Species

Numerous smaller selections of the species are now available and ideally suited for the smaller landscape.

Full Size Selection

Amelanchier alnifolia 6-10'
Aronia melanocarpa 4-8'
Cercocarpus ledifolius 10-20'
Cornus alba 'Argenteo-marginata' 6-10'
Cornus baileyi 8-10'
Cornus sericea 'Isanti' 5-6'
Euonymus alatus 10-15'
Hydrangea p. 'Limelight' 6-8'
Philadelphus lewisii 6-8'
Physocarpus opulifolius 'Monlo' 8-10'
Prunus besseyi 5-6'
Sorbaria sorbifolia 6-8'
Spiraea x vanhouttei 5-7'
Spiraea nipponica 'Snowmound' 3-5'

Smaller Selection

Amelanchier alnifolia 'Regent' 4-6'
Aronia melanocarpa 'Low Scape' 1-2'
Cercocarpus montanus 4-8'
Cornus alba 'Bailhalo' 5-6'
Cornus sericea 'Bailadeline' 3-4'
Cornus stolonifera 'Farrow' 3-4'
Euonymus alatus 'Compactus' 5-6'
Hydrangea p. 'Bobo' 3'
Philadelphus lewisii 'Blizzard' 4-5'
Physocarpus opulifolius 'Seward' 5-6'
Prunus besseyi 'Pawnee Buttes' 1-2'
Sorbaria sorbifolia 'Sem' 3-4'
Spiraea trilobata 'Fairy Queen' 3'
Spiraea nipponica 'Halward's Silver' 2-3'

Shade Tolerant Shrubs & Evergreens

Arctostaphylos uva-ursi
Clethra alnifolia 'Hummingbird'
Cornus sericea 'Baileyi'
Fothergilla gardenii
Hydrangea arborescens 'Annabelle'
Hydrangea macrophylla (selections)
Lonicera involucrata
Mahonia species
Microbiota decussata
Philadelphus lewisii (selections)

Physocarpus monogynus
Rhododendron species
Ribes alpinum
Ribes alpinum 'Green Mound'
Rubus deliciosus
Spiraea betulifolia
Symphoricarpos species
Taxus x media 'Densiformis'
Taxus cuspidata 'Morden'
Viburnum lentago

Roses

<u>Rosa 'ZLEEltonStrack', First Editions® Above and Beyond™ Rose</u> 6-8'	Zone 3
Hardy climber. Semi-double apricot flower. Ever flowering.	
RAB #2	
<u>Rosa 'BAIrage', Easy Elegance® All the Rage Shrub Rose</u> 2-4'	Zone 4
Semi-double apricot-yellow blend flowers with a round form habit. Ever flowering.	
RAG #2	
<u>Rosa 'Bill Reid', Bill Reid Canadian Artist Shrub Rose</u> 2-3'	Zone 3
Yellow flowering, hardy Canadian rose. Ever flowering.	
RBR #2	
<u>Rosa 'Champlain', Champlain Shrub Rose</u> 3'	Zone 4
Double red flowers. Resembles Floribunda Rose in habit and flower. Ever flowering.	
RCH #2 #5	
<u>Rosa 'Emily Carr', Emily Carr Canadian Artist Shrub Rose</u> 3-4'	Zone 3
Red, hardy Canadian Rose. Ever flowering.	
REC #2	
<u>Rosa foetida 'Bicolor', Austrian Copper Shrub Rose</u> 6-8'	Zone 4
Single copper-red flowers with yellow undersides on petals. Budded. Non-recurrent.	
RAC #2	
<u>Rosa foetida 'Persiana', Persian Yellow Shrub Rose</u> 6-8'	Zone 4
Small, double yellow flowers. Non-recurrent.	
RPY #2	
<u>Rosa glauca, Redleaf Shrub Rose</u> 6'	Zone 3
Glaucous purple foliage, pink flowers. Non-recurrent. Plant Select 2010.	
RGC #1 #2 #5	
<u>Rosa 'Hansa', Hansa Shrub Rose</u> 3-5'	Zone 3
Rugosa type. Large double red flowers. Recurrent.	
RHA #2 #5	
<u>Rosa harisonii, Harison's Yellow Shrub Rose</u> 6'	Zone 3
Double deep yellow flowers. Budded. Non-recurrent.	
RHY #2	

Rose Flower Color and Cycle

Variety	Flower Color	Height	Zone	Flowering Cycle
Above & Beyond (climber)	Semi-double Apricot	6-8'	3	Ever flowering
All the Rage	Semi-double Apricot-Yellow Blends	2-4'	4	Ever flowering
Austrian Copper	Copper Red-Yellow Underside	6-8'	4	Non-recurrent
Bill Reid	Yellow	2-3'	3	Ever flowering
Champlain	Double Dark Red	3'	4	Ever flowering
Emily Carr	Red	3-4'	3	Ever flowering
Glauca (Red Leaf)	Pink	6'	3	Non-recurrent
Hansa	Double Red	3-5'	3	Recurrent
Harison's	Double Deep Yellow	6'	3	Non-recurrent
Henry Kelsey (climber)	Double Medium Red	4-6'	3	Recurrent
High Voltage	Double Yellow	3-5'	4	Recurrent
Hope for Humanity	Double Dark Red	2-4'	3	Ever flowering
John Cabot (climber)	Pink to Light Red	5-7'	3	Recurrent
Knock Out	Red	3-4'	4/5	Ever flowering
Morden Centennial	Double Pink	3-5'	3	Recurrent
Morden Fireglow	Double Orange-Red	1½-3'	3	Recurrent
Morden Sunrise	Semi-double Orange-Yellow Blends	2-3'	3	Ever flowering
Nearly Wild	Pink	2-3'	4	Ever flowering
Persian Yellow	Double Yellow	6-8'	4	Non-recurrent
Rugosa	Mauve	4-6'	2	Recurrent
Snow Pavement	Semi-double White	2-3'	3	Recurrent
Winnipeg Parks	Double Deep Pink	2-3'	3	Ever flowering
Woodsii	Pink	5-6'	3	Non-recurrent

Ever flowering – Flowers throughout most of the season.
Recurrent – Flowers at two different times per season.
Non-recurrent – Flowers once per season.

<u>Rosa 'Henry Kelsey', Henry Kelsey Shrub Rose</u> 4-6'	Zone 3
Rugosa type. Salt tolerant. Extremely hardy, double medium red flowered climber. Recurrent.	
RKL #2	
<u>Rosa 'BAIrage', Easy Elegance® High Voltage Rose</u> 3-5'	Zone 4
Double yellow fragrant flowers. Upright vase-shaped habit. Recurrent.	
RHV #2	
<u>Rosa 'Hope for Humanity', Hope for Humanity Rose</u> 2-4'	Zone 3
Double dark red Rose with good disease resistance. Ever flowering.	
RHU #2	
<u>Rosa 'John Cabot', John Cabot Rose</u> 5-7'	Zone 3
Climbing rose with hot pink to magenta flower color. Recurrent.	
RJC #2	

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<i>Rosa</i> 'RADrazz', Knock Out Rose 3-4'				Zone 4/5
Deep red buds open to a mass of cherry-red flowers. Clean, disease resistant foliage. Ever flowering.				
RKO	#2			
<i>Rosa</i> 'Morden Centennial', Morden Centennial Shrub Rose 3-5'				Zone 3
Pink flowers on old and new wood. Very disease resistant. Recurrent.				
RMC	#2			
<i>Rosa</i> 'Morden Fireglow', Morden Fireglow Shrub Rose 1½-3'				Zone 3
Parkland Rose with outstanding orange and red flower color. Low growing. Recurrent.				
RMN	#2			
<i>Rosa</i> 'Morden Sunrise', Morden Sunrise Shrub Rose 2-3'				Zone 3
Flower starts orange and fades to yellow. Low growing. Ever flowering.				
RSR	#2			
<i>Rosa</i> 'Nearly Wild', Nearly Wild Shrub Rose 2-3'				Zone 4
Attractive bushy plant with large single pink flowers. Ever flowering.				
RNW	#1			
	#2			
<i>Rosa rugosa</i>, Rugosa Shrub Rose 4-6'				Zone 2
Seedling grown Rose. Flowers vary from light pink to mauve. Very adaptable Rose. Recurrent.				
RRG	#2			
	#5			
<i>Rosa</i> 'Snow Pavement', Snow Pavement Rose 2-3'				Zone 3
Hardy white flowering Rose with a tinge of pink to the petals at opening. Recurrent.				
RSP	#2			
<i>Rosa</i> 'Winnipeg Parks', Winnipeg Parks Shrub Rose 2-3'				Zone 3
Parkland series Rose with double deep pink flowers. Dark green foliage. Low growing. Ever flowering.				
RWP	#2			
<i>Rosa</i> 'Woodsii', Woodsii Shrub Rose 5-6'				Zone 3
Single pink flowers. Native that adapts to a range of tough conditions. Fast growing. Non-recurrent.				
RWD	#1			
	#2			
	#5			
	#7	~3'		

At Glacier Nursery, LLC, we have found that we can improve the overwintering of tender species by stopping fertilization by the end of July, allowing the plants to be moisture stressed in September (achieving slight wilting by reducing irrigation), and abundantly watering after the first killing frost. *Berberis*, *Physocarpus*, and *Rosa* especially benefit from this treatment.

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<i>Rubus deliciosus</i>, Thimbleberry 3-5'				Zone 3
Hardy native Raspberry, bearing a small dark purple fruit.				
RDL	#1			
	#5			
<i>Salix alba</i> 'Vitellina', Golden Willow 30-40'				Zone 2
Large yellow stemmed Willow that is extremely fast growing and tough. Use in moist naturalizing situations.				
SV3	#1			
	#5			
	#15			
<i>Salix bebbiana</i>, Bebb's Willow 10-15'				Zone 3
Fast growing native Willow. Wider, thicker leaf and denser habit than most Willows. Usually found in wetlands.				
SBB	#1			
	#5			
<i>Salix boothii</i>, Booth's Willow 15-20'				Zone 4
Large growing wetland native.				
SBO	#1			
	#5			
<i>Salix candida</i> 'Jefberg', First Editions® Iceberg Alley® Sageleaf Willow 3-6'				Zone 2
Silver-blue foliage and upright rounded habit. A selection that is an interesting accent plant in the landscape.				
SCI	#2			
<i>Salix discolor</i>, Pussy Willow 15-20'				Zone 2
Hardy Pussy Willow with large catkins before leaves. Use in shrub border as this plant needs space to grow.				
SDC	#1			
	#2			
	#5			
<i>Salix drummondiana</i>, Drummond Willow 6-12'				Zone 4
Yellow stemmed. Light green pubescent underside of leaf. Native. Use for naturalizing.				
SDM	#1			
	#5			
<i>Salix exigua</i>, Coyote Willow 10-12'				Zone 3
Silver-gray narrow leaves. Hardy, large, fast growing native Willow. Native in flood plains.				
SEG	#1			
	#5			

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Salix 'Flame', Flame Willow 15-20' Zone 3

Fast, large growing shrub Willow that is very hardy. Clean green foliage on medium yellow stems. Orange-red stems in fall add winter character. Use for naturalization in moist locations.

SFE #1
#5
#7 ~4'
#15

Salix purpurea 'Nana', Dwarf Blue Leaf Arctic Willow 6-8' Zone 4

One of the best shrubs for slope stabilization. Very fast growing fibrous root system holds soil in place. Attractive blue-green foliage and deep purple stem color in winter. Use in shrub borders.

SPN #1
#2
#5
#15 ~4'

Sambucus canadensis 'Adams', Adams Elder 8-10' Zone 3

Large growing, green leafed Elder. White flowers in June/July and large blue-black fruit. Use in shrub border.

SAD #2

Sambucus nigra 'Eva', Black Lace Elderberry 8-10' Zone 4

Totally new selection of Elderberry. Soft pink fading to white flowers in May/June. Intense purple-black foliage is finely cut.

SBL #2

Sambucus racemosa 'Sutherland Golden', Cutleaf Golden Elder 6-8' Zone 4

Cutleaf and yellow foliage distinguish this Elder. Smaller size allows it to fit in the landscape as an accent plant.

SRS #1
#5

Shepherdia argentea, Silver Buffaloberry 8-12' Zone 2

Silvery pubescent foliage and stems with orange-red fruit. Dense impenetrable barrier when used in shrub border. Closely akin to *Elaeagnus* as it is extremely hardy, drought and salt tolerant. Use in naturalized situations.

SAR #2
#5
#7 ~3'

Sorbaria sorbifolia, Ural Falsespirea 6-8' Zone 2

Very hardy, with leaves that resemble Mountain Ash. Large white flower heads on current season's growth in July are very showy. Suckers profusely. Not for small areas. Use in shrub borders.

SSR #1
#2
#5
#15 ~4'

5 - 24 25 - 49 50+ 1 - 4

Sorbaria sorbifolia 'Sem', Sem Ash Leaf Spirea 3-4' Zone 3

Dwarf selection of species with attractive pinkish fern-like emerging foliage. Dense white flower that when dried provides fall and winter interest. Suckers profusely.

SSA #1
#2
#5

Spiraea betulifolia 'Glow Girl', Glow Girl® Birchleaf Spirea 3-4' Zone 3

Yellow leafed selection of Tor Spirea below. Lacks the attractive fall color of Tor.

SGG #2

Spiraea betulifolia 'Tor', Tor Birchleaf Spirea 2-3' Zone 3

Compact rounded habit of native species. White flowers, dark gray-green foliage that has attractive fall color of orange ranging to purple. This selection retains an irregular habit and thus serves as an excellent choice for use in the landscape, whether it be in the "cultivated" versus "native" border, or in academic terms the "interface".

STR #1
#2
#5

Spiraea douglasii, Pink Spirea 2-4' Zone 3

Native, low growing deciduous shrub with pink flowers that fade quickly in the summer. Irregular habit. Use massed in the landscape. A very adaptable native shrub.

SDG #1
#5

Spiraea fritschiana, Fritschiana Spirea 2-3' Zone 3

Unique large leafed Spirea with rounded habit. White flowers and yellow to orange fall color. Use massed. Retains an irregular habit and thus serves as an excellent choice for use in the landscape, whether it be in the "cultivated" versus "native" border, or in academic terms the "interface". Fast to mature and stays at 3' tall.

SFR #1
#2
#5

Spiraea 'Goldmound', Goldmound Spirea 18-24" Zone 4

Low growing, compact accent plant. Yellow foliage (best in full sun) and pink flowers in June/July. Use as facer plant or as a semi ground cover.

SGM #1
#2
#5

Spiraea japonica 'Little Princess', Little Princess Spirea 24-30" Zone 3

Low growing, compact shrub with light green foliage that is covered with pink flowers most of June/July. Flowers on new wood. Use as a facer plant, grouped, or even as a ground cover.

SLP #1
#2
#5

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***Spiraea japonica* 'Magic Carpet', Magic Carpet Spirea 18"** Zone 4

Darker yellow foliage with red tips. The more compact habit and size distinguish this from Goldflame Spirea.

SJC #1
#2
#5***Spiraea japonica* var. *alpina*, Daphne Spirea 12-18"** Zone 4

Extremely compact, slow growing, pink flowering Spirea. Deep, dark green foliage. Use as a ground cover or in situations where space is limited.

SJA #2

***Spiraea nipponica* 'Halward's Silver', Halward's Silver Spirea 2-3'** Zone 4

Hardier, denser, slower growing Spirea. Lighter green leaves and smaller size distinguish this from Snowmound Spirea.

SHS #2

***Spiraea nipponica* 'Snowmound', Snowmound Spirea 3-5'** Zone 4

White flowers in May borne along stems that tend to arch. Dense and compact with blue-green foliage. Use as facer plants, massed, or as a hedge. Flowers on old wood.

SSM #2
#5***Spiraea thunbergii* 'Ogon', Mellow Yellow Spirea 3-5'** Zone 4

Among the first shrubs to flower. It is covered in white flowers in the spring with soft yellow leaves throughout the season. Some shade may prevent leaf scorching from intense summer sun.

STO #2

***Spiraea x bumalda* 'Anthony Waterer', Anthony Waterer Spirea 3-4'** Zone 4Flowers are deep pink to almost red, flowering during July/August. Fall leaf color almost maroon. Use as facer plant, massed or hedge. Not as hardy as *Spiraea x bumalda* 'Froebelii'.SAW #2
#5***Spiraea x bumalda* 'Froebelii', Froebel Spirea 3-4'** Zone 3Pink flowering above the foliage during early summer on new wood. Clean summer foliage and deep maroon fall color create multi-season interest. Use as a facer plant or massed. Hardier than *Spiraea x bumalda* 'Anthony Waterer'.SFB #1
#2
#5***Spiraea x bumalda* 'Goldflame', Goldflame Spirea 2-3'** Zone 4

An attractive accent plant with golden-copper spring foliage. Pink flowering in summer. Fall color a rich copper-orange. A useful compact facer or accent plant. Foliage not as bright yellow as Goldmound Spirea.

SGF #1
#2
#5

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***Spiraea x bumalda* 'Gumball', Gumball Spirea 2'** Zone 3Light green foliage and a compact roundish form distinguish this from *Spiraea x bumalda* 'Froebelii'. The Gumball doesn't lay open the way Froebelii does, so it looks neater in the landscape throughout the year. Dense, low maintenance plant. Use in facer planting.SGB #2
#5***Spiraea x cinerea* 'Grefsheim', Grefsheim Spirea 4-6'** Zone 4

Abundant white flowers borne in early spring on old wood make this an interesting addition to the landscape. Light gray-green foliage on cascading branches. Use in massing.

SCG #1
#2
#5***Spiraea x vanhouttei*, Bridalwreath Spirea 5-7'** Zone 3

Profusion of white flowers in spring borne along arching branches that almost touch the ground. Use in the shrub border or massed. Tough plant. Use in large areas.

SVH #2
#5

The *Spiraea bumalda* and *Spiraea japonica* species are kept neat, compact, and tidy in the landscape by trimming hard, or all the way to the ground each spring. Most plants that flower on new wood perform well when trimmed similarly. Potentillas can be pruned hard while dormant, removing up to half the growth.

***Symphoricarpos albus*, White Snowberry 4-6'** Zone 3

Native plant throughout North America with bluish-green foliage. Has large interesting white berries in fall. Good for soil retention on steep banks. Very durable plant. Will tolerate partial shade. Use in naturalized settings.

SWS #1
#2
#5***Symphoricarpos occidentalis*, Western Snowberry 2-4'** Zone 3Similar to *Symphoricarpos albus* but smaller and slightly slower growing. A native to the West that will tolerate partial shade.SOC #1
#5***Symphoricarpos x doorenbosii* 'Kolmcan', Candy Coralberry 2-3'** Zone 4

Abundant pink fruit and small size distinguish this Coralberry.

SCC #2

5 - 24 25 - 49 50+ 1 - 4

***Syringa* 'Miss Canada', Miss Canada Lilac 6-9'** Zone 2

Bright pink flowers mid-June. Large leaves with a more open habit than other late Lilacs. Use in large areas.

SMC #2
#5

***Syringa meyeri* 'Palibin', Dwarf Korean Lilac 3-4'** Zone 4Fine dwarf Lilac that is very floriferous at an early age. Fragrant violet-purple flowers and small dark green foliage. Good for massing or facer. Not as vigorous or as hardy as *Syringa patula* 'Miss Kim' in Montana.

Helpful hint: plant Miss Kim Lilac instead.

SMP #2
#5

***Syringa patula* 'Miss Kim', Miss Kim Lilac 4-6'** Zone 3Perhaps the very best of the dwarf Lilacs and a good four season plant. Fragrant pale Lilac flowers in spring, dark glossy green summer foliage, burgundy fall color and an attractive winter habit. Hardy. Excellent for massing or hedging. More vigorous and adaptable in Montana than its close cousin *Syringa meyeri* 'Palibin', which has inferior cold and frost tolerance.

SMK #1
#2
#5
#7 ~3'

Syringa reticulata multi-stem - See Specimen and Container Tree Page 34.***Syringa vulgaris* 'Charles Joly', Charles Joly Lilac 6-12'** Zone 3

Double magenta flowers. Large growing. Best suited for shrub borders.

SCJ #2
#5

***Syringa vulgaris* 'Ludwig Spaeth', Ludwig Spaeth Lilac 6-12'** Zone 3

Single reddish-purple flowers. Use in shrub borders.

SLS #2
#5

***Syringa vulgaris* 'Mme. Lemoine', Mme. Lemoine Lilac 6-12'** Zone 3

One of the best double white flowering French hybrid Lilacs. Large growing. Best suited for shrub borders.

SML #2
#5

***Syringa vulgaris* 'President Grevy', President Grevy Lilac 6-12'** Zone 3

Double blue flowers. Large growing. Best suited for shrub borders.

SPG #2

***Syringa vulgaris* 'Sensation', Sensation Lilac 8-10'** Zone 3

Purple florets with a white margin or border. Use in a shrub border.

SSS #2
#5
#7 ~3'

Phone: (406) 755-2248

(800) 700-8566

5 - 24 25 - 49 50+ 1 - 4

***Syringa vulgaris*, Common Purple Lilac 12-15'** Zone 2

One of the toughest shrubs for Montana's climate, it has been used for decades in American landscapes. Purple flowers, large growing, suckers profusely. Use in shrub borders.

SVU #1
#2
#5
#7 ~3'
#15 ~4'

***Syringa vulgaris* var. *alba*, Common White Lilac 12-15'** Zone 2White flowered version of *Syringa vulgaris*.

SVA #2
#5

***Syringa x hyacinthiflora* 'Pocahontas', Pocahontas Lilac 10-12'** Zone 2A vigorous upright growing Lilac developed in Canada. Deep purple flowers in early June, before *Syringa vulgaris* selections. Use in shrub borders.

SHP #2
#5

Syringa x 'Penda', Bloomerang® Lilac 3-5' Zone 3/4Hybrid Lilac with recurrent single lavender flowers during the summer. If you have seen *Syringa meyeri* 'Palibin' occasionally flower in late summer then this is what you can expect from the Bloomerang in a hot, dry summer climate. Less hardy than the *Syringa meyeri* 'Palibin' which is less hardy than Miss Kim Lilac!

SBA #2

***Syringa x prestoniae* 'Donald Wyman', Donald Wyman Lilac 8-10'** Zone 2Coarse, upright growing late Lilac. Purplish-lavender flowers appear later than with the *Syringa vulgaris*. The Preston Lilacs are later flowering than the French hybrid types, but are more adaptable and quicker to establish than all other types of Lilacs. Highly recommended for Montana. Use in shrub borders.

SDW #2
#5
#7 ~3'
#15 ~4'

***Syringa x prestoniae* 'James Macfarlane', James Macfarlane Lilac 8-10'** Zone 2One of the Preston Lilacs resulting from crosses of *Syringa reflexa* and *Syringa villosa*. Extremely hardy. Single pink fragrant flowers make this a useful addition to the Lilacs suited for Montana. Upright growing.

SJM #2
#5
#7 ~3'
#15 ~4'

To provide a quality and properly established plant for customers, container Lilacs and specific Viburnums are grown for a second spring. These species are immature with only one year of growth in a container and a second year makes for a more robust plant.

5 - 24 25 - 49 50+ 1 - 4

5 - 24 25 - 49 50+ 1 - 4

Lilac Flower and Season

Variety	Color	Type	Season	Height
Bloomerang	Lavender	Single	Mid Spring	3-5'
Charles Joly	Magenta	Double	Mid Spring	6-12'
Common Purple (vulgaris)	Purple	Single	Mid Spring	12-15'
Common White (vul. alba)	White	Single	Mid Spring	12-15'
Donald Wyman	Purple-Lavender	Single	Late Spring	8-10'
Dwarf Korean	Violet-Purple	Single	Mid Spring	3-4'
James Macfarlane	Pink	Single	Late Spring	8-10'
Ludwig Spaeth	Red-Purple	Single	Mid spring	6-12'
Miss Canada	Bright Pink	Single	Late Spring	6-9'
Miss Kim	Purple	Single	Mid Spring	4-6'
Mme. Lemoine	White	Double	Mid Spring	6-12'
Pocahontas	Deep Purple	Single	Early Spring	10-12'
President Grevy	Blue	Double	Mid Spring	6-12'
Sensation	Purple	Single	Mid Spring	8-10'

Viburnum dentatum 'Christom', Blue Muffin Arrowwood Viburnum 6-8' Zone 3

Shorter growing than species and more floriferous and fruitful. Somewhat glossy foliage and very uniform habit make this superior to the species. Use in shrub border.

VBM #2
#5

Viburnum lantana 'Mohican', Mohican Wayfaring Tree 6-8' Zone 3

Thick dark green leaves and a dense rounded compact habit make this a unique plant for the landscape. Creamy white flowers in May and orange-red fruit that later turns black. Use massed or as a screen. Improvement over species due to resistance to bacterial leaf spot.

VLM #2
#5
#7

Viburnum lentago, Nannyberry Viburnum 12-15' Zone 2

Shade tolerant. Stiffly upright grower in youth. White flowers borne on ends of branches in spring, superb clean glossy green foliage and purple-red fall color make this a multi-season plant. Use in shrub border and specimen plantings. Single-stem form in tree section.

VL3 #5

Viburnum opulus 'Compactum', Compact European Cranberrybush 5-6' Zone 3

A compact and rounded form of species. White flowers and red fruit. Use massed in the landscape.

VOC #2
#5

Viburnum opulus 'Nanum', Dwarf European Cranberrybush 2-3' Zone 4

Very dense rounded form. Good for foundation planting or small hedge. Very little trimming required.

VON #2
#5

Viburnum opulus 'Roseum', Common Snowball Viburnum 10-12' Zone 3

Well known for its impressive white flowers 2½-3" in diameter in May. Somewhat coarse in the landscape but noteworthy when used in the shrub border or when massed. Susceptible to aphid infestations.

VOR #2
#5

Viburnum trilobum 'Bailey Compact', Bailey Compact American Cranberrybush 5-6' Zone 3

Very slow growing, stiffly upright and compact shrub. Another good four season plant. Some flowers, good clean foliage, fantastic reddish fall color and neat winter habit. Suitable in the shrub border, massed, hedged and in youth a good facer plant because it is so slow growing. New growth emerges with reddish tint.

VBC #1
#2
#5

Viburnum trilobum 'Wentworth', Wentworth American Cranberrybush 10-12' Zone 2

Faster growing and has larger fruit than species. Large white flower heads and red fruit. Use in shrub border.

VTW #2
#5

Weigela florida 'Red Prince', Red Prince Weigela 5-6' Zone 4

Excellent red flower midsummer. Use in shrub border or grouped in masses. Frequently suffers tip dieback after severe winters.

WRP #2
#5

Yucca - See Perennials page 103.

Plant Select and Introduction Date

Trees and Shrubs

Acer tataricum 'GarAnn', Hot Wings Tatarian Maple 2007
Daphne x burkwoodii 'Carol Mackie', Carol Mackie Daphne 1997
Philadelphus lewisii 'Cheyenne', Cheyenne Mockorange 2001
Picea glauca 'Pendula', Weeping White Spruce 2012
Prunus besseyi 'Pawnee Buttes', Pawnee Buttes Western Sand Cherry 2000
Prunus nigra 'Princess Kay', Princess Kay Plum 2000
Rosa glauca, Redleaf Shrub Rose 2010

Perennials and Grasses

Aquilegia chrysantha, Yellow Columbine 2001
Bouteloua gracilis 'Blonde Ambition', Blonde Ambition Blue Grama 2011
Calamagrostis brachytricha, Korean Feather Reed Grass 2009
Eriogonum umbellatum 'Kannah Creek', Buckwheat 2007
Heuchera sanguinea 'Snow Angel', Snow Angel Coral Bells 2003
Nepeta x 'Little Trudy', Little Trudy Catmint 2008
Osteospermum 'Avalanche', Avalanche White Sun Daisy 2011
Penstemon barbatus 'Coral Baby', Coral Baby Penstemon 2015
Penstemon rostriflorus, Bridges' Penstemon 2006
Penstemon x mexicali 'Pikes Peak Purple', Pikes Peak Purple Penstemon 1999
Penstemon x mexicali 'Red Rocks', Penstemon Red Rocks 1999
Veronica liwanensis, Turkish Speedwell 1997
Spartina pectinata, Prairie Cordgrass 1999

Native Shrubs List

<i>Acer glabrum</i>	<i>Lonicera involucrata</i>	<i>Rosa woodsii</i>
<i>Alnus tenuifolia</i>	<i>Mahonia aquifolium</i>	<i>Rubus deliciosus</i>
<i>Amelanchier alnifolia</i>	<i>Philadelphus lewisii</i>	<i>Salix bebbiana</i>
<i>Aronia melanocarpa</i> (Eastern U.S.)	<i>Physocarpus monogynus</i>	<i>Salix boothii</i>
<i>Artemisia tridentata</i>	<i>Potentilla fruticosa</i>	<i>Salix discolor</i>
<i>Cercocarpus ledifolius</i>	<i>Prunus americana</i>	<i>Salix drummondiana</i>
<i>Cercocarpus montanus</i>	<i>Prunus besseyi</i>	<i>Salix exigua</i>
<i>Chrysothamnus selections</i>	<i>Prunus virginiana</i>	<i>Shepherdia argentea</i>
<i>Cornus sericea coloradensis</i>	<i>Rhus glabra</i>	<i>Spiraea douglasii</i>
<i>Elaeagnus commutata</i>	<i>Rhus trilobata</i>	<i>Symphoricarpos albus</i>
<i>Diervilla lonicera</i> (Eastern U.S.)	<i>Rhus typhina</i> (Eastern U.S.)	<i>Symphoricarpos occidentalis</i>
<i>Fothergilla gardenii</i> (Eastern U.S.)	<i>Ribes aureum</i>	<i>Viburnum lentago</i> (Eastern U.S.)

Dwarf Selections less than 3'

<i>Aronia mel.</i> 'Low Scape' 1-2'	<i>Potentilla</i> 'Gold Drop' 2'	<i>Rosa</i> 'Morden Sunrise' 2-3'
<i>Aronia mel.</i> 'Morton' 2-3'	<i>Potentilla</i> 'Goldfinger' 3'	<i>Rosa</i> 'Nearly Wild' 2-3'
<i>Berberis</i> 'Admiration' 12-18"	<i>Potentilla</i> 'Goldstar' 2'	<i>Rosa</i> 'Winnipeg Parks' 2-3'
<i>Berberis thun.</i> 'Concorde' 2'	<i>Potentilla</i> 'Katherine Dykes' 2-3'	<i>Spiraea betulifolia</i> 'Tor' 2-3'
<i>Berberis thun.</i> 'Crimson Pygmy' 2'	<i>Potentilla</i> 'Bailmering' 2-3'	<i>Spiraea fritschiana</i> 2-3'
<i>Berberis thun.</i> 'Golden Nugget' 12"	<i>Potentilla</i> 'Mango Tango' 2'	<i>Spiraea</i> 'Goldmound' 18-24"
<i>Berberis thun.</i> 'Rose Glow' 3'	<i>Potentilla</i> 'Pink Beauty' 2-3'	<i>Spiraea j. alpina</i> 12-18"
<i>Buxus micro.</i> 'Wintergreen' 2-3'	<i>Potentilla</i> 'Tangerine' 2-3'	<i>Spiraea j.</i> 'Little Princess' 24-30"
<i>Buxus x</i> 'Green Velvet' 2-3'	<i>Potentilla</i> 'Yellow Gem' 1-2'	<i>Spiraea j.</i> 'Magic Carpet' 18"
<i>Caragana frutex</i> 'Globosa' 2-3'	<i>Prunus besseyi</i> 'Pawnee Buttes' 1-2'	<i>Spiraea nipp.</i> 'Halward's Silver' 2-3'
<i>Cotoneaster apiculatus</i> 2-3'	<i>Rhus aromatica</i> 'Gro Low' 2-3'	<i>Spiraea x bum.</i> 'Goldflame' 2-3'
<i>Daphne x b.</i> 'Carol Mackie' 2-3'	<i>Rosa</i> 'Bill Reid' 2-3'	<i>Spiraea x bum.</i> 'Gumball' 2'
<i>Hydrangea p.</i> 'Bobo' 3'	<i>Rosa</i> 'Champlain' 3'	<i>Viburnum op.</i> 'Nanum' 2-3'
<i>Potentilla fruticosa</i> 2-3'	<i>Rosa</i> 'Morden Blush' 2-3'	
<i>Potentilla</i> 'Abbotswood' 2-3'	<i>Rosa</i> 'Morden Fireglow' 18-36"	

Adapted Shrubs List

Selections of the native species or similar species (from other continents climatologically similar to North America) with many of the same attributes as the native selections, but with improvements such as uniformity, habit, fall color, flower, etc.

<i>Amelanchier alnifolia</i> selections	<i>Prunus virginiana</i> 'Canada Red'
<i>Arctostaphylos uva-ursi</i> 'Massachusetts'	<i>Rhus aromatica</i> 'Gro-low'
<i>Aronia</i> selections	<i>Rosa</i> 'Nearly Wild'
<i>Cornus baileyi</i>	<i>Rosa rugosa</i>
<i>Cornus sericea</i> selections	<i>Salix alba</i> 'Vitellina'
<i>Philadelphus lewisii</i> 'Cheyenne'	<i>Salix</i> 'Flame'
<i>Physocarpus opulifolius</i> var. <i>nanus</i>	<i>Sambucus canadensis</i> selections
<i>Potentilla fruticosa</i> 'Katherine Dykes'	<i>Sorbaria sorbifolia</i>
<i>Prunus besseyi</i> 'Pawnee Buttes'	<i>Spiraea betulifolia</i> 'Tor'
<i>Prunus tomentosa</i>	<i>Viburnum trilobum</i> 'Wentworth'

The #15 shrubs provide an excellent substitute and great value when used as a replacement for B&B shrubs. Glacier Nursery, LLC offers #15 shrubs selections in the following species: *Acer*, *Amelanchier*, *Cornus*, *Physocarpus*, *Prunus*, *Salix*, *Sorbaria*, *Syringa* and *Viburnums*. We have added #25 container *Acer ginnala*, *Amelanchier x.* 'Autumn Brilliance', *Prunus virginiana*, and *Prunus virginiana* 'Canada Red'.

EVERGREENS

Container evergreens are available throughout the season. The Evergreens are purchased from nurseries in the Northwest region. Most of April and May shipped evergreens are overwintered at Glacier Nursery, LLC. If you have any questions regarding the source of plants purchased from Glacier Nursery, LLC, feel free to ask, as we are more than willing to share that information with you.

The invoiced price per plant depends upon the number of plants delivered of a species and size on an **individual** order and delivered in **one shipment** to the same location. Orders are invoiced **individually** as they were placed and **are not combined** for volume pricing at shipping and delivery. Quantity column headings at the top of each page will help you price the quantity of plants you are looking for. Price breaks are offered at quantities of 5, 25, and 50+ for plants of the same species and container size. Only select items receive 25 or 50+ pricing. **Container size is trade designation only.**

Please refer to Page 81 for recommendation on planting balled and burlap Evergreens.

5 - 24 25 - 49 50+ 1 - 4

Abies balsamea 'Nana', Dwarf Balsam Fir 2'h, 2-3' spread Zone 3
A dense, globe shaped fir with green needles. Needles are short, soft and flat. Prefers to be out of the hot sun and requires atmospheric moisture. Interesting small conifer for a partial shade location.

ABN #2

Abies concolor, Concolor Fir 25-40'h, 20-25' spread Zone 4
Soft bluish needles and pyramidal habit make this a standout in the landscape. Plant in a protected environment.

ACC B&B 4'
B&B 6'

Abies lasiocarpa, Alpine Fir 30-50'h, 15-20' spread Zone 4
Soft green needles and upright habit make this an attractive conifer useful for naturalizing in a native landscape. Plant in a protected environment as like other Abies because it is accustomed to a high humidity environment.

ALS B&B 4'
B&B 5'
B&B 6'
B&B 7'
B&B 8'

Juniperus chinensis 'Monlep', Mint Julep® Juniper 4-6'h, 6-8' spread Zone 3
Mint-green foliage on fountain-like arching branches. A compact Pfitzer type Juniper. Use as a low shrub.

JSG #2
#5

NEW! Juniperus chinensis 'Monlep', Pompon Mint Julep Juniper Zone 4
Pompon selection is pruned to have 3-5 pom-pom shaped balls of foliage.

JMP #5

5 - 24 25 - 49 50+ 1 - 4

Juniperus chinensis 'Spartan', Spartan Juniper 12-15'h, 4-6' spread Zone 4
Narrow, dark green upright Juniper. We offer this selection this year as an upright green foliage Juniper which are in very short supply.

JCS #5
#7

Juniperus communis 'Mondap', Alpine Carpet® Juniper 8"h, 3-4' spread Zone 3
Dark green foliage. Improved low growing version of native species. Useful for a ground hugging native look.

JCA #2
#5

Juniperus communis var. montana, Montana Common Juniper 3-6"h, 3-6' spread Zone 3
Deeper green color than native species and Alpine Carpet. Very low growing.

JCM #2
#5

Juniperus horizontalis 'Blue Chip', Blue Chip Juniper 6-12"h, 6-8' spread Zone 3
Low growing, wide spreading ground cover type of Juniper. Makes an attractive blue uniform ground cover. Remains dense in the center.

JBC #1
#2
#5

Juniperus horizontalis 'Hughes', Hughes Juniper 1-2'h, 6-8' spread Zone 3
Silver-blue summer foliage and blue-green in winter. Uniform and low growing. Use as a ground cover or for facer planting.

JHH #2
#5

Juniperus horizontalis 'Monber', Icee Blue® Juniper 8"h, 6-8' spread Zone 3
Low spreading Juniper that has brilliant silver-blue foliage. An improved Wilton Blue Rug Juniper selection.

JHM #2
#5

Juniperus horizontalis 'Prince of Wales', Prince of Wales Juniper 8"h, 6-10' spread Zone 3
Very low growing. Bright green summer foliage with bluish tinge and purplish-brown in winter. Very hardy. From Morden Experiment Station in Canada. Use as a ground cover. Maintains good density in center of plant.

JPW #2
#5

Most Junipers and Arborvitae for April shipments are overwintered in unheated hoop houses covered with white plastic. Containerized Spruce and Pine are overwintered beneath plastic like our deciduous shrubbery. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine, and Arborvitae.

5 - 24 25 - 49 50+ 1 - 4

***Juniperus horizontalis* 'Youngstown', Youngstown Andorra Juniper** 12"-18"h, 6-8' spread Zone 4
Green foliage in summer, bronze-purple in winter. Compact, dense, low spreading Juniper. Use as a ground cover or facer plant.

JHY #5

***Juniperus sabina*, Savin Juniper** 4-6'h, 5-10' spread Zone 3
Blue-green foliage. Upright, somewhat vase-shaped habit. Really takes up space in the landscape.

JSV #2
#5

***Juniperus sabina* 'Broadmoor', Broadmoor Juniper** 2-3'h, 4-6' spread Zone 4
Mounded center, rich green color, and a very prostrate grower. Use as a ground cover. Hardy. Use in full sun with good drainage.

JBM #5

***Juniperus sabina* 'Buffalo', Buffalo Juniper** 12"h, 6-8' spread Zone 3
Bright green foliage. Prostrate grower. Feathery appearance. Use as a ground cover. Widely used Juniper suitable throughout Montana.

JSB #1
#2
#5

***Juniperus sabina* 'Monard', Moor-Dense Juniper** 8-12"h, 4-6' spread Zone 4
A denser form of Broadmoor Juniper with bright green foliage and less pronounced mounding in the center of the plant than the afore mentioned.

JMD #5

***Juniperus sabina* 'Monna', Calgary Carpet Juniper** 6-12"h, 6-8' spread Zone 4
Selection of Arcadia Juniper with lower spreading habit and soft green foliage.

JCC #2
#5

***Juniperus sabina* 'Scandia', Scandia Juniper** 12-18"h, 6-10' spread Zone 3
Low growing. Spreading. Compact. Bright green foliage.

JSS #2
#5

***Juniperus scopulorum* 'Cologreen', Cologreen Juniper** 15-20'h, 5-7' spread Zone 3
Upright juniper used for screening. Green foliage.

JSC #5
#7

Most Junipers and Arborvitae for April shipments are overwintered in unheated hoop houses covered with white plastic. Containerized Spruce and Pine are overwintered beneath plastic like our deciduous shrubbery. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine, and Arborvitae.

5 - 24 25 - 49 50+ 1 - 4

***Juniperus scopulorum* 'Medora', Medora Juniper** 10-12'h, 2-4' spread Zone 3
Hardy, narrow form of upright Juniper. Blue-green foliage and slow growing. Needs very little trimming.

JSM #5
#7
#15

***Juniperus scopulorum* 'Moonglow', Moonglow Juniper** 15-18'h, 6-8' spread Zone 3
Silver-blue foliage on this large growing upright Juniper that is used in the landscape as a screen.

JMG #5
#7

***Juniperus scopulorum*, Rocky Mountain Juniper** 30-40'h, 4-6' spread Zone 3
Native Juniper, long lived, hardy. Suitable for dry locations.

JSO #1

***Juniperus scopulorum* 'Wichita Blue', Wichita Blue Juniper** 10-15'h, 4-6' spread Zone 3
Durable upright Juniper with silver-blue foliage. A very reliable performer in Montana.

JWB #5
#10
#15

***Juniperus squamata* 'Blue Star', Blue Star Juniper** 2-3'h, 3-4' spread Zone 4
Unique looking, slow growing, dense rounded plant with rich blue foliage.

JBS #2
#5

***Juniperus virginiana* 'Blue Arrow', Blue Arrow Juniper** 12-15'h, 2' spread Zone 4
Bluer and tighter than Skyrocket Juniper.

JBA #5
#10
#15

***Juniperus virginiana* 'Skyrocket', Skyrocket Juniper** 15-20'h, 3' spread Zone 4
Narrow, upright Juniper with silver-blue foliage.

JVS #5
#7
#15

***Juniperus virginiana* 'Taylor', Taylor Eastern Redcedar** 20-25'h, 3' spread Zone 3/4
More upright and narrow compared to the species. Foliage is green-gray and will tolerate dry and alkaline sites.

JVT #5
#10

5 - 24 25 - 49 50+ 1 - 4

***Juniperus x pfitzeriana* 'Monsan', Sea Of Gold® Juniper** 3-4'h, 4' spread Zone 3
Selection of Gold Coast Juniper noted for improved "eye popping" golden foliage color throughout the year. Use as an accent plant that draws (blinds) your eyes wherever used in the landscape.

JOG #2
#5

***Larix occidentalis*, Western Larch** 100-150'h, 25-40' spread Zone 3
A large deciduous conifer that grows extremely straight. Leaves are light green, turning yellow in the fall before dropping for winter. Native throughout the Northern Rocky Mountains.

LOD #1
#5

***Microbiota decussata*, Russian Arborvitae** 12-18"h, 4-6' spread Zone 2
Shade tolerant, densely branched dwarf evergreen with foliage that resembles Arborvitae. Winter color is bronze and is slow to green up in the spring.

MRC #2

***Picea abies*, Norway Spruce** 60-80', 25-30' spread Zone 3
Tough and adaptable with green needles and a fast rate of growth.

PAS B&B 6'
B&B 8'

***Picea abies* 'Little Gem', Little Gem Norway Spruce** 18"h, 18" spread Zone 3
Flat topped globe shape of dense branches. Minimal maintenance required, as it stays small and tight.

PLG #2

***Picea abies* 'Nidiformis', Bird's Nest Spruce** 3-5'h, 4-6' spread Zone 3
Distinctive, slow growing dwarf plant. Use in rock garden settings or specimen use.

PAN #2
#5

***Picea abies* 'Pendula', Weeping Norway Spruce** 6-10'h, 5-10' spread Zone 2
Unique specimen having a weeping habit. Excellent accent plant. Deep dark green foliage.

PAP #5
#10 ~ 5'

***Picea engelmannii*, Engelmann Spruce** 60-100'h, 20-25' spread Zone 3
Native, narrow, densely pyramidal tree. Use these instead of Colorado Blue Spruce where a more native look is desired.

PEG #1
B&B 5'
B&B 6'
B&B 7'
B&B 8'

5 - 24 25 - 49 50+ 1 - 4

***Picea glauca* 'Conica', Dwarf Alberta Spruce** 4-6'h, 3-4' spread Zone 3
Slow growing, compact miniature Spruce. Bright green foliage. Use as an accent plant.

PGC #5
#7
#10

***Picea glauca densata*, Black Hills Spruce** 35-45'h, 15-20' spread Zone 3
Slow growing with a dense habit. Short, gray-green needles. Can be sheared.

PBH #5
#10
B&B 5'
B&B 6'
B&B 7'
B&B 8'

***Picea glauca* 'Pendula', Weeping White Spruce** 15-30'h, 5-10' spread Zone 3
A very formal, narrow conical shape. Unlike other weeping selections it has an upright leader, weeping branches and light gray-green needles. Use as an interesting gray-green pillar in the landscape. Plant Select 2012.

PWS #5
#10

***Picea pungens glauca*, Colorado Blue Spruce** 50-70'h, 20-30' spread Zone 3
Hardy, large growing Spruce. Blue-green in color, native and adaptable. Most tolerant conifer we offer for harsh climates, poor soils and moist soils. Won't tolerate wet soils. Spruce Bud Worm susceptible.

PPG #1
#2
#5
#7
B&B 4'
B&B 5'
B&B 6'
B&B 7'
B&B 8'
B&B 9'
B&B 10'
B&B 12'

We advise pick-up only for 12'.

NEW! *Picea pungens* 'Avatar', Avatar Colorado Blue Spruce 15-20'h, 12-15' spread Zone 3
Deep blue foliage dense habit and a smaller mature size make this a suitable selection where a full size Spruce would be unacceptable.

PPA #5
#10

	5 - 24	25 - 49	50+	1 - 4	
NEW! <i>Picea pungens</i> 'Baby Blue', Baby Blue Spruce 20-30'h, 10-12' spread					Zone 3
Slightly taller growing of the slower growing blue foliage Spruce.					
PBE	#5				
	#10				
NEW! <i>Picea pungens</i> 'Bonny Blue', Bonny Blue Colorado Spruce 20-25'h, 12-15' spread					Zone 3
Broad upright habit and dense blue foliage provide a consistent plant in the landscape.					
PBN	#10				
	#20				
<i>Picea pungens</i> 'Fat Albert', Fat Albert Colorado Blue Spruce 20-25'h, 10-15' spread					Zone 3
Slow growing with blue coloring. Dense small growing selection of species. Spruce Bud Worm susceptible.					
PAB	#5				
	#10				
	#15				
	#20				
	#25				
	B&B	5'			
	B&B	6'			
<i>Picea pungens</i> 'Globosa', Dwarf Globe Blue Spruce 6-10'h, 6-10' spread with apical & 10-12' w/o					Zone 3
Globe shaped dwarf evergreen with a flat top, dense branching and blue foliage color. Great small accent plant.					
PGB	#2				
	#5				
	#10				
<i>Picea pungens</i> 'Iseli Fastigiata', Iseli Fastigiata Blue Spruce 15-25'h, 4-10' spread					Zone 3
Dense, narrow, stiffly upright Colorado Blue Spruce. Useful for use as a screen, where space is limited.					
PPI	#5				
	#20	4'			
	B&B	5'			
	B&B	6'			
<i>Picea pungens</i> 'Lundebys Dwarf', Lundebys Dwarf Blue Spruce 2-3'h, 3-4' spread					Zone 4
Less than half the size of <i>P. pungens</i> 'Globosa' which is popular as a small accent landscape plant.					
PLD	#2				
	#5				
<i>Picea pungens</i> 'Montgomery', Montgomery Spruce 6-8'h, 6' spread					Zone 3
A dwarf Spruce with silver-blue needles grafted on 30" standard. Single-stem, looks like a lollipop.					
PMD	#5				

Most Junipers and Arborvitae for April shipments are overwintered in unheated hoop houses covered with white plastic. Containerized Spruce and Pine are overwintered beneath plastic like our deciduous shrubbery. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine, and Arborvitae.

	5 - 24	25 - 49	50+	1 - 4	
<i>Picea pungens</i> 'Pendula', Weeping Colorado Blue Spruce 4-20'h, 5-15' spread					Zone 3
Blue needles and weeping contorted habit distinguish this selection from <i>Picea abies</i> 'Pendula'. More of an accent plant than Weeping Norway or White Spruce because of its blue color.					
PPP	#5				
	#10				
<i>Picea pungens</i> 'Procumbens', Procumbens Spreading Spruce 1-2'h, 8-12' spread					Zone 3
A low growing, spreading Spruce that creeps and crawls through the landscape. Interesting blue creeping accent plant.					
PPC	#5				
<i>Picea pungens</i> 'Sester Dwarf', Sester Dwarf Spruce 6-12'h, 4-6' spread					Zone 3
A dwarf blue needled Spruce with a very dense conical form, makes this a perfect specimen for a small landscape.					
PPS	#5				
	#10				
<i>Picea pungens</i> 'St. Mary's Broom', St. Mary's Broom Blue Spruce 1-3'h, 2-4' spread					Zone 3
Slow growing dwarf blue Spruce. Spreading mound or globosa habit that does not form a central leader of any sort (Iseli Nursery #3 sold as a #2).					
PBR	#2				
<i>Pinus aristata</i>, Bristlecone Pine 10-20'h, 10-20' spread					Zone 4
Very slow growing, irregular habit, making it an attractive addition to a rock garden or when used as an accent plant. Dark green foliage with resin spots. Native to Southern Rockies at elevation.					
PAT	B&B	4'			
	B&B	5'			
	B&B	6'			
	B&B	7'			
<i>Pinus contorta</i> var. <i>latifolia</i>, Lodgepole Pine 60-80'h, 15-20' spread					Zone 4
Native Pine growing tall and narrow.					
PCL	B&B	6'			
<i>Pinus flexilis</i> 'Vanderwolf's Pyramid', Vanderwolf Pine 20-30'h, 10-12' spread					Zone 3
Narrow habit (10' wide) at maturity and smaller height make this a good choice for a screen where space is limited.					
PFV	B&B	5'			
	B&B	6'			
<i>Pinus mugo</i> 'Big Tuna', Big Tuna Mugo Pine 8-12'h, 5-8' spread					Zone 3
A slow growing, upright broad species that will be taller than wide. The large size and dense habit creates a focal interest in the garden. A grafted selection with predictable size.					
PBT	#5				
	#10				

***Pinus mugo* 'Jakobsen', Jakobsen Mugo Pine** 3-5'h, 3-5' spread Zone 3
Globe shaped Pine that naturally has the look of a manicured bonsai.

PMJ #5
#10

***Pinus mugo* 'La Cabana', La Cabana Mugo Pine** 12-15'h, 10-12' spread Zone 3
Similar in size, habit and hardiness to Tannenbaum Mugo Pine.

PML B&B 4'

***Pinus mugo* 'Mops', Mops Mugo Pine** 3-5'h, 3-5' spread Zone 3
To eliminate the variability of seedling grown Mugo Pines, a grafted selection is grown to achieve predictable size and habit.

PMS #2
#5
#10

***Pinus mugo pumilio*, Shrubby Swiss Mountain Pine** 3-6'h, but as large as 8-10'h Zone 3
Wide spreading and variable in height, usually 3' to 6', but could get as tall as 8' to 10'. Sheared plants are pruned to make them dense and full in appearance. Unsheared are grown more natural and will not be as dense as the sheared plants.

PMP #1
#2
#5

PMM unsheared #5
unsheared #10
unsheared #15

***Pinus mugo rostrata*, Mugo Pine Rostrata** 10-25'h, 5-20' spread Zone 3
Similar to *Pinus mugo mugus* except it has a more upright, tree-like shape.

PRO B&B 6'

***Pinus mugo* 'Slowmound', Slowmound Mugo Pine** 3-4'h, 4-6' spread Zone 2
Dense, dark green mound shape with reliable color and growth rate. Works well in confined areas.

PSL #2
#5

***Pinus mugo* 'Tannenbaum', Tannenbaum Pine** 12-15'h, 8-12' spread Zone 3
Pine that is known for its winter hardiness and color. Useful in the landscape because of compact, upright and pyramidal form. A nice backdrop that stays smaller than Austrian Pine. A grafted selection with predictable size. May have branches weighted down by heavy snow.

PTB #20
B&B 3'

***Pinus mugo* 'Valley Cushion', Valley Cushion Mugo Pine** 1-2'h, 3-4' spread Zone 3
Very compact, low growing, wider than tall, which requires no pruning as it is extremely slow growing. Smallest of the Mugo Pine we offer (Iseli Nursery #3 sold as a #2, #6 sold as a #5).

PVC #2
#5

***Pinus mugo* 'White Bud', White Bud Pine** 3-5'h, 3-5' spread Zone 3
A dwarf globe shaped selection of the species known for its resinous coating to each terminal bud, resulting in a "white bud" appearance in the winter. A grafted selection with a predictable size (Iseli Nursery #6 sold as a #5).

PMW #2
#5

***Pinus nigra*, Austrian Pine** 40-50'h, 20-30' spread Zone 4
Long needled Pine with dark green color. Dense habit. Tolerant of adverse conditions.

PNG #5
#20
B&B 4'
B&B 5'
B&B 6'
B&B 7'
B&B 8'

***Pinus ponderosa*, Ponderosa Pine** 60-90'h, 25-40' spread Zone 3
Long needled Pine that is useful for naturalizing native landscapes. Tolerant of dry sites. Large growing open habit. Can be difficult to transplant.

PPD #1
B&B 5'
B&B 6'
B&B 7'
B&B 8'
B&B 9'

***Pinus sylvestris*, Scotch Pine** 25-50'h, 20-30' spread Zone 3
Medium sized Pine tree with irregular, spreading habit. Evergreen needles that are variable in length, 1" to 3" long and blue-green in color. Rapid grower when young.

PSV B&B 6'

***Pinus sylvestris* 'Hillside Creeper', Hillside Creeper Scotch Pine** 2-3'h, 5-10' spread Zone 3
Very low growing, spreading selection of species that turns a light shade of green through the winter. This is a unique selection that could be used in place of a spreading Juniper in the landscape.

PSH #5

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***Pseudotsuga menziesii*, Douglas Fir** 50-100'h, 20-30' spread Zone 4

Native to the Rocky Mountains. Bluish-green needles. Does best where there is an abundance of atmospheric moisture. Does not tolerate dry windy conditions.

PDF	B&B	5'
	B&B	6'
	B&B	7'
	B&B	8'
	B&B	9'

***Taxus x media 'Densiformis'*, Dense Spreading Yew** 4-6'h, 4-6' spread Zone 4

Dense with dark green foliage and generally retains full color overwinter. Shade tolerant.

TMD	#2
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***Taxus cuspidata 'Morden'*, Morden Upright Yew** 3-4'h, 4-6' spread Zone 3

Hardy, smaller growing Yew that does **not** retain a green color in the winter. Tolerates shade.

TCM	#2
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***Taxus x media 'Tauntoni'*, Taunton Spreading Yew** 3-4'h, 4-6' spread Zone 3

Dense spreading Yew that does not yellow as much in winter as other varieties of Yew. Shade tolerant.

TMT	#2
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Yew is highly toxic to all animals, though some are less susceptible to the poison such as certain seed eating birds and white-tail deer. While Yew is toxic all year, it is most toxic later in the season because of toxin build up.

***Thuja occidentalis 'Emerald'*, Emerald Arborvitae** 10-15'h, 3-5' spread Zone 4

Compact, dense, pyramidal habit. Holds color throughout the winter. Very susceptible to deer browse.

TOE	#5
	#10

***Thuja occidentalis 'Hetz Midget'*, Hetz Midget Arborvitae** 2'h, 2-3' spread Zone 3

Very slow growing, dense, globe shaped form requiring no shearing.

THM	#5
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***Thuja occidentalis 'Holmstrup'*, Holmstrup Arborvitae** 4-5'h, 18-24" spread Zone 3

Compact grower with bright green foliage and shorter stature than other upright Arborvitae. Susceptible to deer browse.

THO	#5
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***Thuja occidentalis 'Little Giant'*, Little Giant Arborvitae** 4-6'h, 4-6' spread Zone 3

Dwarf and globe shaped Arborvitae with deep green foliage.

TLG	#5
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B&B BALL SPECIFICATIONS

<u>Height</u>	<u>Ball Diameter</u>	<u>Approximate Wt. - Lbs</u>
4'	24"	250
5'	28"	425
6'	28"	475
7'	28"	550
8'	32"	550
9'	32-36"	680
10'	32-36"	680
12'	36-44"	950

The above is only a **guide**. Plant species, root mass, soil type, and especially soil moisture are contributing factors to ball size and weight in addition to tree caliper. Height of evergreen trees is determined from the ball up to one half the length of the terminal growth, or pulling up the first full whorl beneath the leader and measuring to that height. Ball depth is approximately 70 percent of the diameter.

There are many different guidelines for planting balled and burlap trees and what follows is a procedure which accommodates those requirements: Handle the plant by the root ball not the top, being careful to avoid tearing the burlap or distorting the shape of the root ball. Avoid handling if the root ball is waterlogged. Dig the hole twice as wide as the root ball **but** only as deep as the root ball. Preferably hand dig the last 3-6" so the root ball sits on compacted or undisturbed soil and will not settle deeper than originally planted. Measure the depth of the root ball from the bottom of the ball to the point where the burlap begins angling or flaring away from the tree trunk. Verify the top of the root ball (as measured above) will be level, or slightly higher (3") than the existing grade once placed in the hole. Trees are often killed or have reduced vigor when planted too deep.

Place the tree in the hole with the twine, burlap, and basket attached to verify the correct depth and alignment, this makes it easier to make adjustments if needed. Then remove the twine, burlap, and the top two horizontal rings of the wire basket using wire cutters. Backfill with the native soil or a mix of one quarter to one half soil amendments and native soil. Settle the soil with abundant water, mulch if desired, and stake the tree to avoid wind damage, placing the stakes outside the planting hole.

EVERGREEN PLANTING INSTRUCTIONS

Disturbing the container root plug at planting will improve the vigor and longevity of the plant in the landscape. This can be accomplished by using a reciprocating saw with a wood pruning blade as we have described with tree planting. Alternative methods may include slicing the container plug across the plug and butterflying, opening the plant plug in the hole. Another method if the roots of the plug are not tightly circling is to shave down the sides of the plant plug loosening the soil and roots from the plug. These methods assist the plant in establishing into the native soil as well as avoiding circling roots that might constrict plant growth and cause a plant to fall over. Further tips for planting are covered on our website, within the Resources Tab.

PERENNIALS

Glacier Nursery, LLC offers a wide variety of perennials and ground covers that are suited to the Northern climate. All plants are fully established and rooted into the media, with roots to the edge of the plastic container. Potting media contains compost that retains moisture and nutrients that produce a plant ready for immediate resale or planting into the landscape. The majority of varieties come standard in #1 containers, but some ground covers are also available in 3½" cells (18 per tray), #2, or #5 containers. **Container size is trade designation only.** Perennials in the larger containers are full, mature plants, which are great for planting into landscapes where large sized, immediate impact plants are desired. In preparation for shipping, perennials that are in flower are inserted individually into a paper sleeve for protection.

The invoiced price per plant depends upon the number of plants delivered of a species and size on an **individual** order and delivered in **one shipment** to the same location. Orders are invoiced **individually** as they were placed and **are not combined** for volume pricing at shipping and delivery. Quantity column headings at the top of each page will help you price the quantity of plants you are looking for. Price breaks are offered at quantities of 5, 25, and 50+ for plants of the same species and container size. Only select items receive 25 or 50+ pricing.

See page 109 for perennial planting instructions.

On Pages 115-118 is a chart listing flowering months, sun, and soil tolerances of the perennials Glacier Nursery, LLC offers. This will help to plan a perennial garden with full season appeal.

Most of the perennials are overwintered or have grown at Glacier Nursery, LLC for two months or more, though occasionally perennials are purchased for resale to supplement plant availability. If you have any questions regarding the source of plants purchased from Glacier Nursery, LLC, feel free to ask as we are more than willing to share that information with you.

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***Achillea millefolium*, Common White Yarrow** 12-24"h x 18-24"w, full sun Zone 3
Native Yarrow with white to yellow-white flowers. Reportedly deer resistant. Flowers June to September.

ACW #1

***Achillea millefolium* 'Summer Pastel', Summer Pastels Yarrow** 18-24"h x 18-24"w, full sun Zone 3
A perennial that has an array of color. Flowers with a mixture of white, yellow, orange, red and purple. Foliage is a dark green, different than other *Achillea*. Excellent plant for massing. Reportedly deer resistant. Flowers June to September.

ASY #1

***Achillea x 'Moonshine'*, Moonshine Yarrow** 18-24"h x 18-24"w, full sun Zone 3
Bright yellow flowers with silvery foliage. Long lasting flowers with vigorous growth. Flowers June to September. Reportedly deer resistant.

AMY #1

***Achillea x 'Paprika'*, Paprika Yarrow** 18-24"h x 18-24"w, full sun Zone 3
Intense red flower clusters with small yellow centers and green foliage. Long lasting flowers. Very dramatic when massed. Flowers June to September. Reportedly deer resistant.

APY #1

Phone: (406) 755-2248

(800) 700-8566

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***Achillea x 'Terracotta'*, Terracotta Yarrow** 18-24"h x 18-24"w, full sun Zone 4
Pale orange colored flowers. Late July/August flower. Reportedly deer resistant.

ATY #1

***Aegopodium p. 'Variegatum'*, Snow on the Mountain** 10-15"h x 12-24"w, partial shade Zone 3
Low, dense mass of white edged foliage. Spreads by underground stolons. An indestructible ground cover. Flowers in June.

APV 3½"
#1

***Ajuga reptans 'Bronze Beauty'*, Bronze Beauty Ajuga** 6-8"h x 12-15"w, partial to full shade Zone 3
Strong growing perennial that forms a tight mat in spreading habit. Bronze foliage and blue flower spikes. It is an excellent ground cover with an attractive flower in June and July.

ABB 3½"
#1

***Ajuga reptans 'Catlin's Giant'*, Catlin's Giant Ajuga** 6-10"h x 12-15"w, partial to full shade Zone 3
A larger leaf form of *Ajuga* with 6" purple and green foliage. Creates a dense ground cover with purple flower spikes in June and July.

ACG #1

***Alcea rosea 'Chater's Double Hybrids Mix'*, Double Mix Hollyhock** 72-84"h x 24-36"w, full sun Zone 3
Tall, straight spikes of yellow, pink and maroon flowers. Flowers June through August.

ADH #1

***Alchemilla mollis 'Thriller'*, Thriller Lady's Mantle** 18-24"h x 18-24"w, full to partial sun Zone 4
Refined mounded habit. Use for edging or ground cover. Small yellow flowers atop green woolly textured leaves. Flowers June to July.

ALM #1

***Allium cernuum*, Nodding Onion** 12-18"h x 15"w, full sun Zone 3
Native throughout the United States with white to pink flowers and glaucous, lightly wax coated leaves. Flowers May to June.

ANO #1

***Allium lusitanicum 'Summer Beauty'*, Summer Beauty Ornamental Onion** 18-24"h x 15"w, full sun Zone 4
Large pale-pink flowers, 1-2" balls atop thin green stems. Flowers May to June.

ASO #1

***Allium senescens subsp. senescens 'Mongolian Gem'*, Pink Ornamental Onion** 15-18" x 18"w, full sun Zone 3
Large 2" flower balls atop 18" stems with blue-green foliage. Flowers May to June.

AMO #1

www.glaciernursery.com

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<u>Anaphalis margaritacea</u>, Pearly Everlasting 12-36"h x 12-18"w, full to partial sun	Zone 2
Tough native that thrives throughout most of North America. Flowers have white persistent bracts around a yellow center. Great for dried flowers. Narrow gray-green, almost woolly, narrow leaves. Flowers July through September.	
APE	#1
<u>Anemone sylvestris</u>, Snowdrop Anemone 12-15"h x 12-15"w, partial to full shade	Zone 4
Large 2" fragrant white flowers from May to June.	
ASD	#1
<u>Antennaria dioica 'Rubra'</u>, Pink Pussytoes 4-6"h x 10-12"w, full sun	Zone 4
A furry, pink flower sits on top of a short stalk. Great for rock walls and gardens. Flowers in May/June. Adapted.	
ADR	#1
<u>Aquilegia caerulea</u>, Colorado Blue Columbine 12-36"h x 12-18"w, full to partial sun	Zone 3
Large blue flowers with white centers. Colorado state flower. Reportedly deer resistant. Flowers May/June.	
ACB	#1
<u>Aquilegia caerulea</u>, Red and White Columbine 18-24"h x 12-18"w, full to partial shade	Zone 3
Attractive foliage that is good for massing. Reportedly deer resistant. Flowers May/June.	
ARW	#1
<u>Aquilegia canadensis</u>, Columbine 18-30"h x 18-24"w, full to partial shade	Zone 3
Large red outer flowers and yellow center flowers. Reportedly deer resistant. Flowers May/June.	
ARC	#1
<u>Aquilegia chrysantha</u>, Yellow Columbine 24-36"h x 18-24"w, full to partial sun	Zone 3
Yellow flowering, adapted from a Southwest native. Reportedly deer resistant. Plant Select 2001. Flowers in May/June.	
ACY	#1
<u>Aquilegia 'McKana's Giant'</u>, McKana's Giant Columbine 24-36"h x 18"w, full to partial sun	Zone 3
A variety of pastel spurred flowers in early summer. Self-sows easily and not always true to parent color. Reportedly deer resistant. Flowers May/June.	
AMG	#1
<u>Aquilegia 'Origami Blue and White'</u>, Columbine 12-18"h x 12-18"w, full to partial sun	Zone 3
Large outer blue flowers with white centers and attractive foliage that is good for massing. Reportedly deer resistant. Flowers May/June.	
ABW	#1
<u>Arabis alpina 'Compinkie'</u>, Compinkie Rockcress 6-9"h x 9-12"w, full to partial sun	Zone 3
Short, spreading habit. Numerous small pink flowers above delicate foliage. Compact growing plant suitable for rock gardens. Flowers in April/May. Deadhead after flowering.	
ACP	#1

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<u>Arabis alpina 'Snow Cap'</u>, Snow Cap Rockcress 6-9"h x 9-12"w, full to partial sun	Zone 3
Short, spreading habit. Profusion of small white flowers above delicate foliage. Compact growing plant suitable for rock gardens. Flowers April/May. Deadhead after flowering.	
ASC	#1
<u>Arctostaphylos uva-ursi 'Massachusetts'</u>, Massachusetts Kinnikinick 6-12"h x 24-48"w	Zone 3
Full to partial shade. This type of Kinnikinick looks similar to the native type, although this selection is slightly taller. Flowers pink in June and foliage turns from green to red-orange in the fall/winter months. Reportedly deer resistant.	
AUM	3½" #1
<u>Armeria maritima 'Splendens'</u>, Splendens Sea Pink 8-10"h x 8"w, full sun	Zone 3
Grassy tufts of foliage. Small pink allium type flowers held aloft on short stems in May to June.	
APT	#1
<u>Artemisia frigida</u>, Fringed Sage 30"h x 18-24"w, full sun	Zone 3
Native spreading herbaceous perennial that has somewhat woody stems. Fragrant, fringed, silver-gray foliage. Reportedly deer resistant. Flowers June/July.	
AFG	#1
<u>Artemisia schmidtiana</u>, Silver Mound Wormwood 12"h x 15-24"w, spreading habit, full sun	Zone 3
Silvery foliage. Use as a contrast to other plants. Benefits from being cut back at least once during the summer. Reportedly deer resistant. Flowers June/July.	
ASM	#1
<u>Arunco dioicus</u>, Goatsbeard 36-60"h x 36-60"w, partial to full shade	Zone 3
Large growing perennial. Shade tolerant. White flowering in May through June. Looks like a large <i>Astilbe</i> .	
AGB	#1
NEW! <u>Asclepias tuberosa</u>, Butterfly Weed 12-30" h x 12-18"w, full sun	Zone 3
Native plant highly regarded as an attractant of many Butterflies including the Monarch. Flowers 3-6" yellow orange in July-August. Drought and poor soil tolerant.	
ATB	#1
<u>Aster alpinus</u>, Alpine Aster 8-12"h x 12"w, full sun	Zone 3
Attractive daisy-like flowers in mixed colors. Flowers in May/June. Native to Colorado and Alaska.	
AAP	#1
<u>Aster novae-angliae 'Purple Dome'</u>, Purple Dome Aster 12-24"h x 12-18"w, full sun	Zone 4
Fall flowering with deep lavender purple flowers. Showy when many other plants are done flowering for the year.	
APD	#1

In preparation for shipping, perennials in flower are inserted individually into a paper sleeve for protection.

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***Aster x dumosus* 'Woods Pink', Woods Pink Aster** 12-18"h x 12-18"w, full sun Zone 4
Pink flowers sit atop dark mounds of foliage during late August to October. Tolerates frost.
AWP #1

Astilbe Zone 3/4
Feathery spiked flowers, prefer moist conditions, especially in full sun, will do best in partial shade.
Fern-like foliage. Reportedly deer resistant. Flowers June through August.

ABV 'Bridal Veil' 12-24"h x 24"w. Cream to white color flowers.

AFR 'Fanal' 12-24"h x 24"w. Bright red flowers with dark foliage.

ARP 'Rheinland' 12-24"h x 24"w. Pink flower spikes.

* 25+ pricing does not apply to ARP.

#1

***Aurinia saxatilis*, Basket of Gold** 12"h x 12"w, full sun Zone 4
Dainty yellow flowers borne above vigorous foliage. Flowers April through June and a second time if
deadheaded and trimmed back slightly. Previously listed as *Alyssum montanum*.

AGD #1

***Baptisia australis*, False Indigo** 36-48"h x 24-36"w, full to partial shade Zone 3
An Eastern native from the Legume family. Blue-purple flowers. Flowers May to June.

BFI #1

***Bergenia cordifolia*, Heartleaf Bergenia** 12-15"h x 12-15"w, partial sun Zone 3
Heart shaped, glossy leaf with stalks of pink flowers in the spring. Use as a border plant and tolerates
moisture. Flowers July/August.

BNH #1

***Brunnera macrophylla* False Forget-Me-Not** 12-15"h x 12-18"w, full to partial sun Zone 3
Long stalked, heart shaped leaves that have a rough surface with light blue flowers above.

BFF #1

***Brunnera macrophylla* 'Jack Frost', Jack Frost Siberian Bugloss** 12-15"h x 12-18"w Zone 4
Full to partial shade. Silver with green veined foliage make for a striking contrast. Light blue flowers in May
to June. The highest priced perennial we grow as large royalties are paid to the originator of the selection.

BJF #1

***Campanula carpatica*, Bellflower** 6-12"h x 12"w, full to partial sun Zone 3
One inch bell shaped flowers cover the low mound of foliage in midsummer. Good for rock gardens and
edging. Available in **Blue ('Blue Clips') CBC** and **White ('White Clips') CWC** flowering selections. Flowers
May through July.

#1

***Campanula glomerata*, Tall Bellflower** 15-20"h x 18"w, full to partial sun Zone 3
Tight showy clusters of large purple bell flowers above a solid clump of dark green leaves. Flowers June to
July.

CTB #1

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***Campanula persicifolia*, Peach-Leaved Bellflower** 24-36"h x 12-18"w, full sun Zone 3
Large blue bells on tall stalks in summer. Flowers June through August.
CPB #1

***Campanula poscharskyana* 'Blue Waterfall', Blue Waterfall Blue Bells** 9-12"h x 18-24"w Zone 4
Full to partial sun. Low growing ground cover that can cascade over rocks and down a wall. Covered with
blue flowers that have a light blue center. Flowers July/August.

CBW #1

***Campanula rotundifolia* 'Olympica', Blue Harebell** 6-12"h x 12-18"w, full to partial sun Zone 3
Loose rosettes on the native species. Blue flowers.

CHB #1

***Caryopteris x clandonensis*, Blue Mist Caryopteris** 24"h x 24"w, full sun Zone 5
Blue flowering from July until frost. Treat as a herbaceous perennial, as it will dieback to the ground each
winter.

CCL #2

***Centaurea montana*, Mountain Bluet** 24"h x 24"w, full sun Zone 3
Vivid indigo-blue feathery flowers standing out against silky leaves. Good for cut flowers. Has a tendency to
seed itself in the garden. Flowers April through June.

CBL #1

***Cerastium tomentosum*, Snow in Summer** 3-6"h, spreading habit, full sun Zone 3
Hardy, creeping perennial with silver/grayish, downy foliage and abundant white flowers in May/June.
Tucked into a rock wall they give the appearance of a snowdrift when in full flower. Good ground cover.

CSS 3½"

#1

Clematis See Vines Page 104.

***Coreopsis* 'Baby Sun', Baby Sun Coreopsis** 12"h x 12"w, full sun Zone 4/5
Bright yellow flowers with red centers above leafy foliage. Abundant flowers June through September.

CBS #1

***Coreopsis* 'Jethro Tull', Jethro Tull Coreopsis** 12-15"h x 12-15"w, full sun Zone 4
A distinctive golden-yellow, fluted flower, sets this one apart from the others. Flowers crest the compact
mound of foliage June through September.

CJT #1

***Coreopsis verticillata* 'Moonbeam', Moonbeam Coreopsis** 12-24"h x 18-24"w, full sun Zone 3
Delicate fern-like foliage with long lasting, pale yellow daisy-like flowers with vivid color July through
September. Drought tolerant.

CMB #1

5 - 24 25 - 49 50+ 1 - 4

***Coreopsis verticillata* 'Zagreb', Threadleaf Coreopsis** 12-15"h x 15-18"w, full sun Zone 3
Bright, golden flowers on a small rounded plant. Drought tolerant. Flowers May to June.

CVR #1

***Dianthus barbatus* 'Indian Carpet', Indian Carpet Dianthus** 8-12"h x 8-12"w, full to partial sun Zone 4
Mixed shades of red and pink. Rich green foliage. Flowers May through August.

DIC #1

***Dianthus deltoides* 'Brilliant', Maiden Pink** 6-8"h x 9-15"w, full sun Zone 3
Spreading mats of narrow leafed foliage, producing hundreds of vivid red to fuchsia flowers in early summer.

DMP #1

***Dianthus gratianopolitanus*, Bath's Pink** 3-6"h x 12-18"w, full sun Zone 4
Pink double flowers spring through frost. Mounded gray-green foliage remains evergreen. Good for rock gardens. Flowers in June.

DCP #1

***Dianthus gratianopolitanus* 'Feuerhexe', Firewitch Dianthus** 6-8"h x 9-12"w, full sun Zone 4
Deep raspberry-red flowers on a tight blue mound of grass-like foliage make this German cultivar a winner. Flowers May through August.

DFW #1

***Dicentra spectabilis*, Pink Bleeding Heart** 24-36"h x 24-36"w, partial sun to shade Zone 3
An old fashioned favorite with the unusual pink flower shape dripping off graceful stems in the spring. Reportedly deer resistant. Flowers May/June.

DPB #1

***Dicentra spectabilis* 'Alba', White Bleeding Heart** 24-36"h x 24-36"w, partial sun to shade Zone 3
Similar to Pink Bleeding Heart, except that flowers are white. Reportedly deer resistant. Flowers May/June.

DWB #1

NEW! *Digitalis* 'Dalmation Purple', Dalmation Purple Foxglove 24-36"h x 12"w, full/partial sun Zone 4
Very large lilac-purple colored flower spikes that are quite showy in the garden during June and July.

DDP #1

***Digitalis purpurea* 'Foxy', Foxglove** 24-36"h x 18"w, full to partial sun Zone 4
A biennial that often reseeds itself. Tall flower covered spikes appear in May through July. Mixed colors include white, lavender and purple. Reportedly deer resistant.

DFP #1

***Echinacea purpurea* 'Magnus', Purple Coneflower** 24-36"h x 24"w, full sun Zone 3
A well behaved perennial with showy purple, daisy-like flowers in late summer and into the fall. The dried seed heads also provide winter interest. Flowers August/September. Susceptible to winter kill.

EPM #1

5 - 24 25 - 49 50+ 1 - 4

***Echinacea p.* 'Prairie Splendor', Prairie Splendor Coneflower** 18-24"h x 18-24"w, full sun Zone 3
Shorter growing rose-pink flowers that last longer than other selections. Flowers August through September.

EPS #1

***Echinacea purpurea* 'White Swan', White Swan Coneflower** 24-36"h x 18-24"w, full to partial sun Zone 3
White petals surround a greenish central disk. Flowers August/September. Susceptible to winterkill.

EWS #1

***Echinacea pallida*, Pale Purple Coneflower** 24-36"h x 12-18"w, full to partial sun Zone 4
Thin flower petals and narrow foliage distinguish this from the cultivated Purple Coneflower. Native to the midwest. Can grow tall and does best in drier sites. Susceptible to winterkill.

EPP #1

***Echinops ritro*, Globe Thistle** 24-36"h x 15"w, full sun Zone 4
An ornamental thistle. Round metallic-blue flower heads sitting atop rich green toothed leaves. Flowers July through September.

ERT #1

***Erigeron speciosus* 'Azure Fairy', Azure Fairy Fleabane** 15-18"h x 15-18"w, full sun Zone 2
Aster-like flower but flowers earlier in the summer, June/July. Pale to dark blue flowers.

EAF #1

***Eriogonum umbellatum* 'Kannah Creek', Buckwheat** 6-12"h x 12-24"w, full to partial sun Zone 3
Low growing, green foliage, with a white underside that has an excellent purple-red fall color. Yellow flowers in May/June that age to orange in color. 2007 Plant Select.

EKC #1

***Eupatorium dubium* 'Little Joe', Little Joe Joe-Pye Weed** 36-48"h x 24-36"w, full sun Zone 3
Slightly more compact selection, which has sturdy four foot stems that hoist pink-purple flowers above almost anything else in the perennial garden. Flowers July through September.

ELG #1

***Eupatorium maculatum* 'Gateway', Joe Pye Weed** 60-72"h x 36"w, full to partial sun Zone 3
Excellent plant for the back of borders due to the final height. Lavender flowers in July through September. Foliage is green with red stems.

EMG #1

***Euphorbia polychroma*, Cushion Euphorbia** 12-18"h x 18-24"w, full to partial sun Zone 5
Soft green leaves turn brilliant red in the fall. Yellow bracts in early spring May/June.

ECE #1

***Euphorbia polychroma* 'Bonfire', Cushion Spurge** 12-18"h x 18-24"w, full to partial sun Zone 4
Yellow bracts bloom in the spring atop an attractive mound of deep purple, red, orange and green foliage. The soft leaves deepen to burgundy red as the season progresses before turning a rich red in autumn. Excellent spreading mound in the garden.

EPB #1

Ferns

***Athyrium filix-femina*, Common Lady Fern** 24-36"h x 24"w, partial to full shade Zone 3
Large, vigorous showy fern with lacy cut leaves. Native throughout the U.S.

FLF #1

***Athyrium filix-femina* 'Lady in Red', Lady in Red Fern** 18-30"h x 18-24"w, partial to full shade Zone 3
Reddish stems contrast with light green foliage on this large growing fern.

FLR #1

***Dryopteris complexa*, Robust Male Fern** 24-48"h x 24-48"w, partial to full shade Zone 4
Large growing and semi evergreen. Native.

FRM #1

***Dryopteris felix-mas*, Male Fern** 24-36"h x 24-36"w, partial to full shade Zone 4
Large growing and semi evergreen. Native.

FMA #1

***Matteuccia struthiopteris*, Ostrich Fern** 36-48"h x 18-24"w, partial to full shade Zone 3
Spreading habit. The largest and best known garden fern. Reportedly deer resistant. Native throughout Canada and the Northern Central U.S.

FOF #1

***Fragaria americana*, Virginiana Wild Strawberry** 3-6"h x 12-18"w, full to partial sun Zone 3
Small edible red berries in green ground cover. Native throughout the U.S and Canada. Flowers May/June.

FWS #1

***Gaillardia a.* 'Arizona Apricot', Arizona Apricot Blanket Flower** 8-12"h x 8-12"w, full sun Zone 3
Apricot flowers are the distinguishing attribute of this selection of the *Gaillardia aristata* species. June through August flowering.

GAA #1

***Gaillardia a.* 'Arizona Sun', Arizona Sun Dwarf Blanket Flower** 18-24"h x 8-10"w, full sun Zone 3
A slightly smaller selection of Goblin. Reportedly deer resistant. Flowers June through August.

GAS #1

***Gaillardia a.* 'Red Shades', Arizona Red Shades Blanket Flower** 8-12"h x 8-12"w, full sun Zone 3
Vivid red flowers of this *Gaillardia aristata* selection stand out in the landscape. June through August flowering.

GAR #1

***Gaillardia x grandiflora* 'Goblin', Goblin Blanket Flower** 12-18"h x 12"w, full sun Zone 4
Similar to the Burgundy Blanket Flower except with red flowers with yellow edges. Deer resistant. Flowers June through August (until frost).

GGI #1

***Galium odoratum*, Sweet Woodruff** 6-12"h x 9-12"w, shade to part shade Zone 4
With its spreading habit Sweet Woodruff is commonly used as a ground cover. Vigorous grower with delicate white flowers in late spring. Slightly scented foliage. Flowers May to June.

GSW 3½"
#1

***Geranium macrorrhizum*, Bigroot Cranesbill** 15-18"h x 15-18"w, full to partial sun Zone 3
Apple scented foliage that turns red in the fall, pink flowers. Reportedly deer resistant.

GBG #1

***Geranium mac.* 'Bevan's Variety', Bevans Variety Geranium** 9-12"h x 9-12"w, full to partial sun Zone 4
Florescent pink flowers that have an added bonus of red sepals. Flowers in June through August. Reportedly deer resistant because of the fragrant scented foliage.

GBV #1

***Geranium mac.* 'Spessart', Spessart Groundcover Cranesbill** 9-12"h x 12-18"w, full to part sun Zone 4
Pale pink flowering ground cover. Flowers early summer to late summer. Apple scented leaves turn bronze to scarlet in the fall. Reportedly deer resistant.

GMS #1

***Geranium sanguineum*, Bloody Cranesbill** 9-12"h x 12-18"w, full to partial sun Zone 3
A showy display of large purple-pink flowers. Dark green leaves turn crimson red in the fall. Flowers in June through August and intermittently thereafter. Reportedly deer resistant.

GBC #1

***Geranium sanguineum* 'Max Frei', Max Frei Geranium** 8-12"h x 9-12"w, full to partial sun Zone 3
Flowers June through August with deep magenta-pink saucer shaped flowers. Reportedly deer resistant.

GSM #1

***Geranium sanguineum* var. *striatum*, Bloody Cranesbill Pink** 8"h x 9-12"w, full to partial sun Zone 3
A light pink flower with crimson veins. Reportedly deer resistant. Flowers June though August.

GSS #1

***Geranium viscosissimum*, Sticky Geranium** 1-3'h, full to partial sun Zone 4
Native plant with rose-purple flowers in open clusters on long stalks. Reportedly deer resistant.

GSG #1

***Geranium x* 'Johnson's Blue', Johnson's Blue Cranesbill** 15-21"h x 18-24"w, full to partial sun Zone 4
Large, bright blue flowers. Flowers in May/June and intermittently thereafter. Reportedly deer resistant.

GCJ #1

***Geranium x* 'Rozanne', Rozanne Cranesbill** 18-20"h x 24-36"w, full to partial sun Zone 4
Large violet-blue flowers with light centers. Deep green foliage that has red-brown color in the fall. May/June flowers. Reportedly deer resistant.

GRZ #1

5 - 24 25 - 49 50+ 1 - 4

***Geum chiloense* 'Mrs. Bradshaw', Mrs. Bradshaw Geum** 18-24"h x 12-18"w, full to partial sun Zone 4
An often overlooked selection. Bright red flowers punctuate the early summer garden, rising above leaf rosettes. Flowers June through September

GMB #1

***Geum triflorum*, Prairie Smoke Avens** 6-18"h x 6-18"w, full to partial sun Zone 3
Cold hardy native. Pale pink flowers that mature to rose-pink in June/July. Feathery seed plumes. Reportedly deer resistant.

GAV #1

***Gypsophila paniculata* 'Bristol Fairy', Double White Baby's Breath** 24-36"h x 36-48"w, full sun Zone 3
Double white flower that makes a great cut flower. Slender gray-green leaves and stems form a bushy clump. Flowers July/August.

GBB #1

***Helenium autumnale* 'Bandera', Bandera Helenium** 12-15"h, full sun Zone 3
Moisture tolerant, full sun, late summer flowering perennial. An abundance of red flowers with yellow tips sit above green foliage. May replace *Gaillardia* 'Arizona Sun' which has more yellow on the tips of the flower.

HMB #1

***Helianthus maximiliana*, Maximilian Sunflower** 5-7'h, full sun Zone 4
Native throughout much of the U.S. Bright yellow flowers atop tall, large, stout branched stems. Flowers July/August.

HMM #1

***Heliopsis helianthoides* 'Summer Sun', False Sunflower** 36-48"h x 18-24"w, full to partial sun Zone 3
Flowers from July to September. Flowers are yellow, resembling small sunflowers.

HSS #1

***Heuchera micrantha* 'Palace Purple', Palace Purple Coralbells** 18"h x 12"w, full to partial sun Zone 4
The interest is the purple foliage. The flowers are not significant, but are tiny and white, borne on long stems in June/July.

HPP #1

***Heuchera sanguinea* 'Splendens', Splendens Coralbells** 12-24"h x 24"w, full to partial sun Zone 4
The green foliage is slightly variegated while the flowers are a vivid red and very striking for Coralbells. Flowers in June/July.

HCB #1

***Heuchera s.* 'Snow Angel', Snow Angel Coralbells** 10-12"h x 10-15"w, full to partial sun Zone 3
Variegated foliage of creamy white and green. The cream color is dominant in the appearance from a distance. June/July flowering. Plant Select 2003.

HCS #1

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5 - 24 25 - 49 50+ 1 - 4

***Hemerocallis*, Daylily** various heights, spreading habit, full sun Zone 3
Flowers in July through August. A highly adaptable species. Grass-like foliage provides interest when not in flower.

HHR *'Happy Returns'* 18"h. Canary-yellow flowers. Recurrent.
HHN *'Hyperion'* 36-42"h. Fragrant lemon-yellow flowers. Recurrent.
HOR *'Orange (Chicago Sunrise)'* 36"h. Bright orange flowers. Recurrent.
HPK *'Pink (Strawberry Candy)'* 24-36"h. Melon-pink to pink flowers. Recurrent.
HRD *'Red (Baja)'* 24-36"h. Red with yellow throats. Recurrent.
HSO *'Stella de Oro'* 15-18"h. Golden miniature. Recurrent.
HWT *'White (Joan Senior)'* 18-24"h. White flowering. Recurrent.

* 25+ pricing does not apply to HHN or HWT.

* 50+ pricing only applies to HHR, HOR, HRD, and HSO.

#1

Specialty Daylilies:

HAS *'Apricot Sparkles'* 12-15"h. Apricot flowers with ruffled petal edges. Recurrent.
HGM *'Grape Magic'* 24-30"h. Grape colored 4" flowers. Recurrent.
HMP *'Mini Pearl'* 12-15"h. Blush pink blossoms with yellow-green throats. Recurrent.
HMS *'Mini Stella'* 12-15"h. Abundant small yellow flowers. Recurrent.
HPM *'Pardon Me'* 18-26"h. Deep red flowers with yellow throats. Recurrent.
HRR *'Rosy Returns'* 12-15"h. Rose-pink flowers with yellow throats. Recurrent.

* 25+ pricing does not apply to HMP or HRR.

* 50+ pricing only applies to HMS and HPM.

#1

***Hosta fortunei* 'Aureomarginata', Aureomarginata Plantain Lily** 18-24"h x 24-36"w, partial to full shade Zone 3
Dark green leaves with creamy yellow edging. Lavender flowers bloom in July/August. Purported to tolerate some sun.

HAR #1

***Hosta* 'Guacamole', Guacamole Lily** 18-24"h x 30-36"w, full to partial sun Zone 3
Large growing Hosta with lavender flowers and a variegated, dark green margin with a medium green center leaf. Late June through August flowering.

HGC #1

***Hosta* 'Royal Standard', Royal Standard Plantain Lily** 12-24"h x 24-48"w, partial to full shade Zone 3
Bright green leaf below white flowers. Will also tolerate some sun if moist. White flowers that bloom in July/August.

HRS #1

***Hosta sieboldiana* 'Elegans', Elegans Plantain Lily** 24-30"h x 36-48"w, partial to full shade Zone 3
Short stemmed white flowers. Very large blue-gray leaves. Flowers July/August.

HSE #1

5 - 24 25 - 49 50+ 1 - 4

***Hosta undulata* 'Albomarginata', Variegated Plantain Lily** 12-18"h x 24-36"w, partial to full shade Zone 3
A creamy white and light green variegated leaf with lavender flower. Flowers July/August.

HAM #1

Hosta x 'Halcyon', Halcyon Plantain Lily 12-18"h x 24-36"w, partial to full shade Zone 3
This plant is noted for bluish-green leaves with pale lavender flowers. Flowers July/August.

HHY #1

Iberis sempervirens, Candytuft 6-12"h x 18"w, full to partial sun Zone 4
Evergreen foliage covered with white flowers in May/June. Reportedly deer resistant.

ISM #1

***Iris sibirica* 'Caesar's Brother', Caesar's Brother Siberian Iris** 24-36"h x 24-36"w, full sun Zone 3
Dark purple flowers in June/July. Graceful grass-like foliage adds interest to any border. Reportedly deer resistant.

ICB #1

***Iris sibirica* 'White', White Siberian Iris** 24-36"h x 24-36"w, full sun Zone 3
White summer flowering Siberian Iris. Reportedly deer resistant. Flowers June/July.

ISW #1

***Lamium maculatum* 'Ghost', Ghost Lamium** 6-12"h x 12-18"w, full to part shade Zone 3
More florescent silver foliage and intense lavender flower make this more dramatic than Purple Dragon Lamium. May through August flowering. Reportedly deer resistant.

LGL #1

***Lamium maculatum* 'Purple Dragon', Purple Dragon Lamium** 6-12"h x 12-18"w, full/part shade Zone 4
Silvery leaves with a green edge and numerous purple flowers. May through August flowering. Reportedly deer resistant.

LPN #1

Lathyrus latifolius, Perennial Sweet Pea - See Vines Page 104.

***Lavandula angustifolia* 'Hidcote', Deep Blue Lavender** 12-18"h x 12-18"w, full sun Zone 4/5
Deep blue flowers distinguish Hidcote from Munstead Lavender. Reportedly deer resistant. Flowers June through August.

LAH #1

***Lavandula angustifolia* 'Munstead', Munstead Lavender** 12-18"h x 12-18"w, full sun Zone 5
Attractive, fragrant gray-green foliage. Abundant blue to lilac colored flowers in the summer. Reportedly deer resistant. Flowers June through August.

LML #1

To maintain attractive plants throughout the selling season, the perennial program requires numerous plantings to stage the crops. Most crops have two planting dates or more. This ensures customers receive plants that are not overgrown, but rather appropriately sized throughout the entire selling season.

5 - 24 25 - 49 50+ 1 - 4

***Leucanthemum superbum* 'Alaska', Shasta Daisy** 18-36"h x 18-24"w, full sun Zone 4
Vigorous white daisy with sturdy stems. Flowers May through July and will reflower if deadheaded. Great for a cottage garden or as a cut flower.

LSD #1

***Leucanthemum superbum* 'Becky', Becky Shasta Daisy** 36-42"h x 18-24"w, full to partial sun Zone 4
Sturdy stems support a 3" diameter white flower with a yellow center during the summer.

LBS #1

***Leucanthemum x superbum* 'Snowcap', Snowcap Shasta Daisy** 12-18"h x 9-12"w, full sun Zone 4
A compact cultivar of Shasta Daisy with single white flowers in the June through August. A good plant to use in borders or en masse for early season flower.

LSS #1

***Liatris* 'Floristan White', White Gayfeather** 24-36"h x 18-24"w, full sun Zone 3
Vertical spikes open with white flowers from top to bottom above grassy foliage. Flowers in July through September. Reportedly deer resistant.

LFW #1

***Liatris spicata* 'Kobold', Dwarf Gayfeather** 18-24"h x 12-18"w, full sun Zone 3
Deep purple flowering spikes above grassy foliage. Unique foliage and flower for the perennial garden. Tolerates moisture. Flowers July through September. Reportedly deer resistant.

LSG #1

***Ligularia* 'The Little Rocket', Little Rocket Ligularia** 18-36"h x 24-30"w, full to partial shade Zone 3
Dark green foliage with yellow flowers on dark stems. June/July flowering.

LLR #1

***Ligularia stenocephala* 'The Rocket', The Rocket Ligularia** 24-48"h x 24-36"w, full sun to partial shade Zone 4
Tall and narrow yellow flower spikes, on tall purplish-black stems above large heart shaped green leaves. Requires a moist site. June/July flowering.

LTR #1

Lilium x 'Pink', Hardy Pink Lily 18-24"h x 12-18"w, full sun Zone 4
Fragrant bright pink flowers held above stout stalks in June/July.

LPL #1

Lilium x 'Yellow', Hardy Yellow Lily 18-24"h x 12-18"w, full sun Zone 4
Golden-yellow flowers held above stout stalks in June/July.

LYL #1

Lobelia cardinalis, Cardinal Flower 36-48"h, full to partial sun Zone 3
Bright red flower spikes adorn this upright perennial in July through September. An excellent plant for moist areas and can tolerate some shade. Native.

LCD #1

	5 - 24	25 - 49	50+	1 - 4	
<i>Lupinus 'Gallery Blue', Dwarf Blue Lupine</i> 12-24"h x 12-18"w, full to partial sun Blue outers with white centers, flowers in early spring. Short lived in the landscape.					Zone 4
LBL	#1				
<i>Lupinus 'Gallery Mix', Gallery Mix Lupine</i> 12-24"h x 12"w, full to partial sun Dwarf plants with colorful flower spikes in a mix of blue, red, pink, yellow, and white. Flowers in June/July. Good cut flower. Short lived in the landscape.					Zone 4
LMM	#1				
<i>Lupinus 'Gallery Red', Gallery Red Lupine</i> 12-24"h x 12-18"w, full to partial sun Red outers with white centers, flowers in early spring. Short lived in the landscape.					Zone 4
LGR	#1				
<i>Lupinus 'Gallery Yellow', Gallery Yellow Lupine</i> 12-24"h x 12-18"w, full to partial sun Yellow outers with white centers, flowers in early spring. Short lived in the landscape.					Zone 4
LGY	#1				
<i>Lupinus 'Russell Hybrid Mix', Russell Hybrid Mix Lupine</i> 24-36"h x 24-36", full sun to partial shade Grand spikes of a mixture of blue, red, pink, yellow, white, and bi-colors. Very showy in mass planting. Short lived in the landscape.					Zone 4
LRM	#1				
<i>Lychnis chalcidonica, Maltese Cross</i> 24-36"h x 12-18"w, full to partial sun Old time perennial with pubescent green leaves topped by clusters of scarlet flowers in June/July.					Zone 3
LMT	#1				
<i>Lysimachia nummularia 'Aurea', Golden Moneywort</i> 1-4"h x 12-18"w, full to partial sun Same as Moneywort, but yellow leaves instead of green. Will spread aggressively. Yellow flowers in June/July.					Zone 4
LGM	3½"				
	#1				
<i>Lysimachia nummularia, Moneywort</i> 1-4"h x 12-18"w, full to partial sun Round bright green leaves creep on the ground creating a solid carpet with yellow flowers in June/July. Will spread aggressively.					Zone 4
LMW	3½"				
	#1				
<i>Mahonia repens, Creeping Mahonia</i> 12"h, spreading habit, full to partial sun Native evergreen ground cover. Yellow flowers in May/June and attractive red to bronze leaf color in the fall.					Zone 4
MRP	3½"				
	#1				

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	5 - 24	25 - 49	50+	1 - 4	
<i>Monarda didyma 'Achrade', Grand Parade Bee Balm</i> 12-18"h x 15-20"w, full to partial sun Flowers in June through August. A lavender-purple flower. More compact habit than species. Reportedly deer resistant.					Zone 3
MGP	#1				
<i>Monarda didyma 'Coral Reef', Coral Reef Bee Balm</i> 24-36"h x 18-24"w, full to partial sun Hot pink flowers with mildew resistant foliage. Flowers July/August. Reportedly deer resistant.					Zone 3
MDC	#1				
<i>Monarda didyma 'Jacob Cline', Jacob Cline Bee Balm</i> 24-36"h x 24-36"w, full to partial sun Large growing and red flowered, along with good mildew resistance. Reportedly deer resistant.					Zone 4
MJC	#1				
<i>Monarda didyma 'Marshall's Delight', Bee Balm</i> 24-36"h x 18-24"w, full sun to partial shade The pink to purple flower attracts hummingbirds and bees. Vigorous habit, plant in an area that needs to be filled in a short time. Plant parts are mint scented. Flowers in July/August. Reportedly deer resistant.					Zone 3
MBB	#1				
<i>Nepeta 'Junior Walker', Junior Walker Catmint</i> 12-15"h x 24-36"w, full to partial sun Compact form of the popular Walker's Low selection of Catmint. Flowers June-August. Deer resistant.					Zone 4/5
NJW	#1				
<i>Nepeta racemosa 'Walker's Low', Walker's Low Catmint</i> 18-24"h x 24-36"w, full to partial sun A drought tolerant perennial. Gray-green foliage with purple flowers June through August. Deer resistant.					Zone 3/4
NWL	3½"				
	#1				
<i>Nepeta x 'Little Trudy', Little Trudy Catmint</i> 8-12"h x 12-16"w, full sun Smaller version of Walker's Low. Flowers June through August. Deer resistant. 2008 Plant Select.					Zone 4
NLT	#1				
<i>Oenothera macrocarpa, Evening Primrose</i> 6-12"h x 12-18"w, full to partial sun Sprawling habit topped by large lemon-yellow flowers that open in afternoon and close the next morning. Flowers May through August. Native.					Zone 4
OEP	#1				
<i>Osteospermum 'Avalanche', Avalanche White Sun Daisy</i> 8-14"h x 18-24"w, full to partial sun Large white daisy flowering from April to later summer. Full sun to partial shade with thick green foliage that has good disease resistance. Tolerant of dry conditions. Introduced by Plant Select in 2011.					Zone 4
OAD	#1				
<i>Paeonia, Peony</i> 24-36"h x 24-36"w, full sun Classics from Grandmother's garden, the flowers are large and showy. Well established plants that out perform newly planted bulbs. Provides abundant flower color in June. Available in a Red (PXR), Pink (PXP), and White (PXW) flowering selections.					Zone 3
	#2				

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***Papaver orientale*, Oriental Poppy** 24”h x 24-36”w, full sun, will tolerate some shade Zone 3
Large crepe paper-like flowers in vivid deep orange to red. The foliage disappears after flowering and reappears in fall. May require staking of flower stalks. May/June flower. Reportedly deer resistant.

POP #1

***Papaver orientale* ‘Allegro’, Red Dwarf Oriental Poppy** 12-18”h x 12-15”w, full sun Zone 3
Orange-red flowers on a smaller selection of Poppy. Flowers May/June. Reportedly deer resistant.

PDO #1

***Papaver orientale* ‘Brilliant’, Brilliant Oriental Poppy** 24-36”h x 18-24”w, full sun Zone 3
Red flowered version of Oriental Poppy. Flowers May/June. Reportedly deer resistant.

POR #1

***Penstemon barbatus* ‘Coral Baby’, Coral Baby Penstemon** 16-20”h x 12-15”w, full sun Zone 3
Florescent coral pink flowers May-July in full sun with moderate to dry moisture requirements. Introduced by Plant Select in 2015.

PBC #1

***Penstemon barbatus* ‘Scarlet Bugler’, Scarlet Bugler Penstemon** 30-36”h x 12-18”w, full sun Zone 4
Large growing. Red-scarlet flowering in late July/August. Native to the Four Corners area of the Southwest. Drought resistant.

PBB #1

***Penstemon rostriflorus*, Bridges’ Penstemon** 24-30”h x 24-30”w, full sun Zone 4/5
Mid-summer red flowering, large growing perennial that tolerates moderate to dry moisture sites. Introduced by Plant Select in 2006.

PRP #1

***Penstemon digitalis* ‘Husker Red’, Penstemon Husker Red Strain** 24-30”h x 12-18”w Zone 3
Full to partial sun. Bronzy-red foliage and white flowers during July/August. Needs well drained soils.

PHR #1

***Penstemon pinifolius*, Pineneedle Penstemon** 6-18”h x 12-18”w, full sun Zone 4/5
Native to the Four Corners area of the Southwest. Scarlet flowers, needle like foliage and very drought tolerant. Flowers July/August.

PPF #1

***Penstemon strictus*, Rocky Mountain Penstemon** 12-30”h x 12-24”w, full to partial sun Zone 3/4
Southern Rocky Mountain native. Violet flowers on thin leafed stalks. Flowers July/August.

PRY #1

***Penstemon x mexicali* ‘Pikes Peak Purple’, Pikes Peak Purple Penstemon** 12-15”h x 12”w Zone 4
Full to partial sun. Purple colored flowers with a white throat. July/August flowering. Needs well drained soils. Plant select 1999.

PMK #1

5 - 24 25 - 49 50+ 1 - 4

***Penstemon x mexicali* ‘Red Rocks’, Penstemon Red Rocks** 12-15”h x 12”w, full to partial sun Zone 4
Bright rose colored flowers with a white throat. July/August flowering. Needs well drained soils. Plant Select 1999.

PRR #1

***Perovskia atriplicifolia*, Russian Sage** 36-48”h x 36-48”w, full sun Zone 4
Aromatic sage with up to 4’ spikes of lavender-blue flowers in July through September. Gray-green foliage that has an almost cutleaf appearance. Deer resistant.

PRS #1
#2

***Perovskia* ‘Little Spire’, Little Spire Sage** 24-30”h x 18-24”w, full sun Zone 4
A compact, shorter sage with gray-green foliage and lavender-blue flowers in July through September. Deer resistant.

PLS #1

***Phlox paniculata*, Tall Garden Phlox** 24-36”h x 24”w, full sun to partial shade Zone 4
A well loved perennial flowering July/August.
Available in Blue-Purple (PGU), Pink (PGP), and White (PGW) flowering selections.

*Red (PGE) is **SOLD OUT**

#1

***Phlox subulata*, Creeping Phlox** 6-8”h, spreading habit, full sun to partial shade Zone 3
Excellent ground cover. Attractive and full foliage after flowering. Will cascade over stone walls or can be used to create a carpet effect in a bed. Somewhat evergreen in that it will hold its green foliage when protected by snow cover. May/June flowers.

PPW ‘Candystripe’ - Pink and white striped flowers.**PBL** **Blue** - Lavender flowers.**PIK** **Pink** - Pink flowers.**PRD** **Red** - Red flowers.**PWT** **White** - White flowers.

*50+ pricing does not apply to PPW or PIK

#1

***Polemonium caeruleum*, Jacob’s Ladder** 18-24”h x 12-18”w, partial to full shade Zone 3
Fern-like foliage with clusters of blue bell shaped flowers in May through July. Reportedly deer resistant.

PJJ #1

***Potentilla neumanniana*, Creeping Cinquefoil (Potentilla)** 1-3”h, spreading habit Zone 4
Full sun to partial shade.

Dainty, green leaves with butter-yellow flowers June through August. Great ground cover for full sun areas. Reportedly deer resistant.

PVR #1

In preparation for shipping, perennials in flower are inserted individually into a paper sleeve for protection.

5 - 24 25 - 49 50+ 1 - 4

***Pulsatilla vulgaris*, European Pasqueflower** 6-8"h x 15"w, full sun Zone 4
Violet to purple flowers in spring with the same attractive pubescence as *Pulsatilla patens*.
Flowers May/June. European introduction.

PPE #1

***NEW! Platycodon grandiflorus*, Balloon Flower**, 12-30"h x 12-18"w, full to part sun Zone 3
Clump forming perennial that may require staking to maintain and upright habit.
Purple flowers July to August.

PM1 #1

***Ratibida columnifera pulcherrima*, Prairie Red Coneflower** 18-24"h x 12-24"w, full sun Zone 4
Selection of above with red petals and a raised dark center. Flowers June through August.

RRC #1

***Ratibida columnifera*, Prairie Coneflower** 12-24"h, 18"w, full sun Zone 4/5
Wonderful native plant that is wide spread in the United States. Thin green leaves with stalks that support
yellow daisy-like petals with a raised dark center. Flowers June through August. Drought tolerant to the point
that it is easily overwatered.

RPC #1

***Rudbeckia fulgida var. sullivantii 'Goldsturm'*, Orange Coneflower** 24-36"h x 24"w, full sun Zone 3
An easy to grow plant with a showy daisy type flower. Yellow to orange petals surrounding a dark center.
Flowers August to September. Spent flowers provide ornamental characteristic with snow on the landscape.
Reportedly deer resistant.

ROC #1

***Sagina subulata*, Irish Moss** 3"h x 18"w ground cover, partial to full shade Zone 4
Dense mat of dark green with small white flowers in May/June.

SIM 3½"

***Salvia nemorosa 'Caradonna'*, Caradonna Meadow Sage** 18-24"h x 15-18"w, full sun Zone 4
Large growing Salvia with very deep, dark purple flowers. Flowers June through August. Reportedly deer
resistant.

SCS #1

***Salvia nemorosa 'Marcus'*, Marcus Dwarf Blue Sage** 8-12"h x 9-18"w, full sun Zone 4
A compact form with violet-purple flowers. Flowers June through August. Reportedly deer resistant.

SMA #1

***Salvia nemorosa 'May Night'*, May Night Meadow Sage** 18-24", full sun Zone 4
Deep indigo spike flowers throughout the summer. Flowers June through August. Drought tolerant.
Reportedly deer resistant.

SMY #1

5 - 24 25 - 49 50+ 1 - 4

***Salvia nemorosa 'Pink'*, Pink Selections Salvia** 12"h x 10-15"w, full sun Zone 3
Sensation Rose (Pink) is a sport of Marcus and as such, stays small and has a pink flower. Flowers June
through August. Reportedly deer resistant.

SNP #1

***Salvia nemorosa 'Snow Hill'*, Snow Hill White Sage** 15-18"h x 12-15"w, full sun Zone 4
White flowers distinguish this selection from the other Salvia. Flowers June through August. Reportedly deer
resistant.

SSH #1

***Saponaria ocymoides*, Soapwort** 6"h x 24"w, spreading habit, full sun Zone 3
Pink flowers in May/June.

SOS #1

***Sedum acre*, Golden Carpet Sedum** 2-4"h, spreading mounds, full sun Zone 4
Also referred to as Goldmoss. This variety sends up tiny yellow flowers in May/June that give the
appearance of carpeting.

SGD #1

***Sedum album 'Coral Carpet'*, Coral Carpet Stonecrop** 1-4"h x 6-12"w, full sun Zone 4
Good rock garden plant. Changes from green to reddish in late fall/winter. Flowers June/July.

SCT #1

***Sedum kamtschaticum*, Yellow Stonecrop** 6-9"h, spreading mounds, full sun Zone 3
An evergreen with dark, glossy green foliage on prostrate stems, bearing orange to yellow showy flowers in
July/August.

SVC #1

***Sedum rupestre 'Blue Spruce'*, Blue Creeping Stonecrop** 4-6"h x 12"w, full sun Zone 4
Blue succulent leaves look like fat spruce needles. Yellow flowers in July/August quite showy in summer.

SBC #1

***Sedum spurium 'Dragon's Blood'*, Dragon's Blood Sedum** 2-6"h, spreading mounds, full sun Zone 3
Evergreen. Cold weather turns the foliage red. Stems are red year round. Pink flowers June through August.

SDB 3½"
#1

***Sedum x 'Autumn Joy'*, Autumn Joy Sedum** 12-18"h x 18-24"w, full sun Zone 3
Foliage is light green and flowers are small and pink, creating a dome effect over the plant. Upright,
spreading habit. Flowers in July through September.

SAJ #1

***Sedum x 'Vera Jameson'*, Vera Jameson Sedum** 6-9"h x 9-12"w, full sun Zone 3
Deep pink flowers August through September and blue-green foliage that turns maroon in the fall.

SVJ #1

5 - 24 25 - 49 50+ 1 - 4

***Sempervivum tectorum*, Hen & Chicks** 3-6"h x 9"w, full sun to partial shade Zone 3
Indestructible rosettes of fleshy leaves with a cactus-like appearance. Commonly used as 'tuck-in's' on rock walls. The flowers are pink to red, about 1" across, appearing in July/August.

SHC #1

***Solidago canadensis* 'Crown of Rays', Crown of Rays Goldenrod** 24-30"h x 18-24"w Zone 4
Full sun to partial shade. Sturdy, bright yellow flowering selection. Large growing. July/August flowering. Reportedly deer resistant.

SSC #1

***Solidago* 'Little Lemon', Goldenrod** 12-18"h x 12-18"w, full sun Zone 5
Shorter growing Goldenrod with lighter yellow flowers.

SLL #1

***Stachys lanata*, Lamb's Ears** 18-24"h, spreading habit, full sun to partial shade Zone 4
Also known as *Stachys byzantina* or *Stachys olympica*, these fuzzy silver leafed specimens add visual interest to any garden border. Tiny purple flowers appear on the stalks in June/July. Reportedly deer resistant.

SLE #1

***Tanacetum coccineum* 'Robinson's Hybrids', Painted Daisy** 24"h x 24"w, full sun to light shade Zone 4/5
Colors range from vivid purple to some interesting variations on red, all with a yellow center. Finely cut foliage with flowers rising out of it on sturdy stems. A good cut flower. Long lasting. May/June flowering.

TPD #1

***Thymus praecox* 'Coccineus Major', Red Creeping Thyme** 1-3"h x 12-18"w, full to partial sun Zone 4
Deep pink to rose-red flowers. Evergreen foliage that turns bronzy in the fall. June through August flowering. Reportedly deer resistant.

TRC 3½"

***Thymus praecox* 'Pseudolanuginosus', Woolly Thyme** 1-3"h x 18-24"w, full to partial sun Zone 4
Low growing, dense mat of woolly gray little leaves. Has tiny pink flowers in the spring. A good ground cover for rock pathways. Reportedly deer resistant. Flowers June through August.

TWT 3½"

***Thymus serpyllum*, Mother of Thyme** 3-6"h x 18-24"w, full to partial sun Zone 4
Dark green foliage and pale lavender flowers. Flowers June through August. Reportedly deer resistant.

TMO 3½"

***Tradescantia* 'Concord Grape', Spiderwort Concord Grape** 18"h x 15"w, full to partial shade Zone 3
Purple flowers June through August. Trim foliage back after flowering to promote more reflowering into August.

TCG #1

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5 - 24 25 - 49 50+ 1 - 4

***Trollius ledebourii* 'Golden Queen', Orange Globe Flower** 24-36"h x 24"w, full sun to partial shade Zone 3
Partial to moist locations. This plant's exotic flowers have an unusual shape and a brilliant orange or yellow color. Flowers in May/June. Attractive foliage after flowering. A good plant to mass along the water's edge.

TLB #1

***Veronica liwanensis*, Turkish Speedwell** 1-3"h x 12-18"w, full to partial sun Zone 3/4
Small, oval, glossy leaves that tolerate light foot traffic. Blue flowers in June/July. Plant Select 1997.

VTS #1

***Veronica spicata* 'Icicle', Icicle Speedwell** 18-24"h x 18-30"w, full sun to partial shade Zone 3
White flowering in June through September. Hardy.

VIW #1

***Veronica spicata* 'Rotfuchs', Red Fox Speedwell** 12-18"h x 12"w, full sun to partial shade Zone 3
Deep pink flower spikes in June through September. Does best in well drained soils, as do all Speedwells.

VRF #1

***Veronica spicata* 'Royal Candles', Royal Candles Speedwell** 12-15"h x 12"w, full sun to partial shade Zone 4
Compact selection with dark blue flower spikes in June through August.

VRC #1

***Veronica* 'Sunny Border Blue', Sunny Border Blue Speedwell** 15-24"h x 12"w Zone 4/5
Full sun to partial shade. Adaptable to many situations. Dark blue flower spikes in June through September.

VSB #1

Veronica x 'Tidal Pool', Creeping Speedwell 2-3"h x 18-30"w, full to partial sun Zone 4
Silvery blue-green leaves make this dense, fast spreading speedwell an attractive ground cover, perfect along pathways and in rock gardens. Masses of white-eyed violet flowers cover the plant from late April to mid-May. Adaptable to many situations.

VTP #1

***Yucca glauca*, Soapweed** 24"h x 24-36"w, full sun Zone 4
Good for hot dry locations in the rock garden or foundation planting. Blue-green leaves lend a spiked look to the landscape. White flowers on a tall spike in July/August. Reportedly deer resistant.

YGA #1

***Zauschneria garrettii* 'Orange Carpet', California Fuchsia** 4-6"h, 12-18"w, full sun to partial shade Zone 4
Selected from a native stand in Idaho, this ground cover has numerous orange scarlet flowers in July/August. Plant Select 2001.

ZOC #1

To maintain attractive plants throughout the selling season, the perennial program requires numerous plantings to stage the crops. Most crops have two planting dates or more. This ensures customers receive plants that are not overgrown, but rather appropriately sized throughout the entire selling season.

5 - 24 25 - 49 50+ 1 - 4

Vines

<i>Clematis</i>, Clematis full to partial sun	Zone 2/3
Flowering vines easily grown if their roots are in the shade and their tops are in the sun. Beautiful climbing vine for fences, rock walls and trellises. Flowers throughout the summer.	
Available in White (CXW) , Pink (CXP) , Red (CXR) and Blue (CXB) flowering selections.	
#1	
<i>Euonymus fortunei</i> 'Coloratus', Purple Wintercreeper 12-18"h x 24-48"w, full to partial sun	Zone 4/5
Broadleaf evergreen that mounds and will climb if given support.	
EPW	#1
<i>Humulus lupulus</i> 'Bianca', Bianca Ornamental Hops	Zone 3
Lemon-yellow leaves differentiate this from Nugget Hops. Prefers partial shade.	
HBH	#1
<i>Humulus lupulus</i> 'Cascade', Cascade Ornamental Hops	Zone 4
Dark green foliage with a light yellow cone. Can be used for brewing beer.	
HCA	#1
<i>Humulus lupulus</i> 'Comet', Comet Ornamental Hops	Zone 4
Light green foliage in the spring, turning darker throughout the summer.	
HCM	#1
<i>Humulus lupulus</i> 'Nugget', Nugget Ornamental Hops	Zone 3
Fast growing vine with a green maple type leaf. Produces yellow-green flowers in the spring and a papery cone-like fruit in early fall.	
HHP	#1
<i>Humulus lupulus</i> 'Willamette', Willamette Ornamental Hops	Zone 4
Dark green foliage with a golden cone. Can be used for brewing beer.	
HLW	#1
<i>Hydrangea anomala petiolaris</i>, Climbing Hydrangea sun or shade	Zone 4/5
For protected locations. This vine has large, fragrant, white flowers in early July.	
HAP	#1
<i>Lathyrus latifolius</i>, Perennial Sweet Pea	Zone 3
Long lasting flowers in late spring through summer. Mixed colors of white, red and purple. Will climb or just form a viney mat.	
LSP	#1
<i>Lonicera</i> 'Mandarin', Mandarin Honeysuckle	Zone 3
Similar to the Dropmore Scarlet in hardiness and its vigorous growth habit. This Honeysuckle has an orange-yellow tubular flower and darker green leaves. Flowers in early summer.	
LMH	#1

5 - 24 25 - 49 50+ 1 - 4

<i>Lonicera x brownii</i> 'Dropmore Scarlet', Dropmore Scarlet Honeysuckle	Zone 3
Hardy tall climbing Honeysuckle with bright orange-scarlet tubular flowers in early summer.	
LXD	#1
<i>Parthenocissus quinquefolia</i> (inserta), Virginia Creeper (Woodbine)	Zone 3
Large leafed, rapid growing vine clinging to fences and masonry. Excellent deep red-maroon fall color and blue-black fruit. Native throughout Eastern U.S.	
PQN	#1 #2
<i>Parthenocissus quinquefolia</i> 'Engelmanni', Engelman Ivy	Zone 3
Small leafed, slower growing Ivy with similar clinging features as above and also possesses a red fall color.	
PQE	#1
<i>Vinca minor</i>, Common Periwinkle 4-6"h x 12-15"w	Zone 4
Shade tolerant plant that has small dark green leaves and flowers in April/May with large blue-purple flowers.	
VCP	#1
<i>Wisteria macrostachya</i> 'Blue Moon', Blue Moon Wisteria	Zone 4
Hardest selection of Wisteria. Lavender-blue flowers.	
WBM	#1

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Grasses

<i>Andropogon gerardii</i>, Big Bluestem 5-8'h x 18-30"w	Zone 4
Native warm season grass that forms large clumps. Yellow to purple seed heads in the late summer/fall.	
ABL	#1
<i>Bouteloua gracilis</i>, Blue Grama Grass 18-24"h x 12-24"w	Zone 3
Native warm season grass throughout the Great Plains. Forms dense tufts, and the seed heads are unique and one sided, folding downward.	
BGB	#1
<i>Bouteloua gracilis</i> 'Blonde Ambition', Blonde Ambition Blue Grama 12-30"h x 24-36"w	Zone 4
Ornamental selection of the native Blue Grama Grass, noted for the showy flower display late in summer and through the fall. Warm season grass growing in dense tufts. 2011 Plant Select.	
BAB	#1

	5 - 24	25 - 49	50+	1 - 4	
<u>Calamagrostis brachytricha</u>, Korean Feather Reed Grass 36-48”h x 24-36”w					Zone 4
Cool season, clump forming grass. Green leaves. Open flower and seed head unlike other <i>Calamagrostis</i> . 2009 Plant Select. Later flowering than <i>Calamagrostis x acutiflora</i> .					
CKO	#1				
<u>Calamagrostis x acutiflora</u> ‘Avalanche’, Avalanche Feather Reed Grass 36-48”h x 24-36”w					Zone 4
Variegated Feather Reed Grass with white center of leaf. Shorter than Overdam Reed Grass. Cool season.					
CAF	#1				
<u>Calamagrostis x acutiflora</u> ‘Karl Foerster’, Feather Reed Grass 36-48”h x 18-24”w					Zone 4
One of the earliest flowering <i>Calamagrostis</i> . This selection has showy seed heads in the fall. Tremendously popular.					
CKF	#1				
	#2				
	#5				
<u>Calamagrostis x acutiflora</u> ‘Overdam’, Overdam Feather Reed Grass 36-48”h x 18-24”w					Zone 4
A Variegated Feather Reed Grass with subtle white margins and green center of leaf. Seed heads have a faint pink hue. An attractive grass to enhance your garden. Cool season.					
COD	#1				
<u>Carex nebrascensis</u>, Nebraska Sedge 24-36”h x 24-36”w					Zone 3
Wetland native plant that will tolerate saturation. Green to green-blue foliage. Cool season. Spreading rhizomes.					
CNS	#1				
<u>Carex pensylvanica</u>, Pennsylvania Sedge 6-12”h x 12-24”, full sun to full shade					Zone 3
Native to Eastern North America. Cool season. Can be used as a turf grass, tolerating occasional mowing. Spreading by stolons.					
CPS	#1				
<u>Carex utriculata</u>, Beaked Sedge 36-48”h x 24-36”, full sun					Zone 2
Also known as Northwest Territory Sedge. Native to the toughest climates of North America. Tolerates saturation. Cool season.					
CBK	#1				
<u>Chasmanthium latifolium</u>, Northern Sea Oats 24-48”h x 18-24”w					Zone 4
Cool season. Clump forming. Full sun to part shade grass that has a really unique flat seed head. Useful in dried arrangements. Leaf blades are bamboo-like. Native to the Midwest and the South Eastern U.S.					
CNO	#1				
<u>Deschampsia cespitosa</u>, Tufted Hair Grass 24-36”h x 18-24”w					Zone 3
Showy, glossy green blades in dense tufts. Wide spread native. Good for naturalizing. Cool season and clump forming. Can be used for a living roof cover. Re-seeds itself freely.					
DTH	#1				

	5 - 24	25 - 49	50+	1 - 4	
<u>Deschampsia cespitosa</u> ‘Goldtau’, Gold Dew Tufted Hair Grass 12-24”h x 12-24”w					Zone 3
Shorter growing selection of species. Cool season. Clump forming.					
DGT	#1				
<u>Festuca glauca</u> ‘Boulder Blue’, Boulder Blue Fescue 6-12”h x 6-12”w					Zone 3
Deep blue metallic color all summer. Slightly more compact than Elijah Blue Fescue.					
FBB	#1				
<u>Festuca glauca</u> ‘Elijah Blue’, Blue Fescue 6-10”h x 6-10”w					Zone 4
Maintains blue color all summer. Nice tidy habit. Cool season. Clump forming.					
FBF	#1				
<u>Festuca idahoensis</u>, Idaho Fescue 12-36”h x 9-18”w					Zone 3
Fine textured, narrow blue-green leaves. Drought tolerant, wide spread prairie native. Cool season. Clump forming.					
FIF	#1				
<u>Festuca idahoensis</u> ‘Siskiyou Blue’, Idaho Blue Fescue 12-15”h x 12-15”w					Zone 4
Attractive blue foliage and shorter in height than the species. Cool season. Clump forming.					
FSB	#1				
<u>Helictotrichon sempervirens</u>, Blue Oat Grass 24-40”h x 18-24”w					Zone 4
The arching stems turn from blue to a straw color. Cool season. Clump forming. Use on well drained sites.					
HBO	#1				
	#2				
<u>Hierochloa odorata</u>, Sweetgrass 24-30”h x 18-24”w					Zone 3
Native throughout most of North America and prized for the aromatic leaves. Survives in wetlands and moist prairies. Runners.					
HSG	#1				
<u>Koeleria macrantha</u>, Prairie Junegrass 6-24”h x 6”-12”w					Zone 3
Cool season, widespread, native bunch grass. Small clusters of plants with dense spikes arising from the center.					
KPJ	#1				
<u>Leymus arenarius</u> ‘Blue Dune’, Blue Dune Lyme Grass 24-36”h x 36-48”w					Zone 4
Powder-blue leaves grow from rhizomes below ground, which can be aggressive in lighter soils. Cool season but heat tolerant. Runners.					
LBD	#1				
<u>Leymus cinereus</u>, Basin Wildrye 3-5’h x 2-3’w					Zone 3
Native to the Great Plains and Rocky Mountain regions. Can be a robust grower under ideal conditions. Cool season bunch grass.					
LGB	#1				

	5 - 24	25 - 49	50+	1 - 4	
<i>Miscanthus sinensis</i> 'Gracillimus', Maiden Grass 4-5'h x 2-3'w					Zone 4
Fine arching foliage with silvery-white seed heads. Leaf blades are narrow, stiff and twist slightly. Reportedly deer resistant.					
MSM	#1				
<i>Miscanthus sinensis purpurascens</i>, Flame Grass 36-48"h x 24-36"w					Zone 4
Hardy grass with wide leaves. Very shiny seed heads in the fall. All the <i>Miscanthus</i> are warm season, clump forming. Reportedly deer resistant.					
MSF	#1				
<i>Molina caerulea</i> 'Skyracer', Skyracer Moor Grass 24-48"h x 36-48"w					Zone 4
Fine seed heads in August on wide leaf blades. Clump forming. Cool season grass.					
MMG	#1				
<i>Panicum virgatum</i> 'Heavy Metal', Heavy Metal Switch Grass 36-48"h x 24-36"w					Zone 4
Upright metallic-blue leaves that form a tight sod like mat. Bright yellow fall color. Runners.					
PHM	#1				
<i>Panicum virgatum</i> 'Shenandoah', Switch Grass 48-60"h x 18"w					Zone 4
Green blades in the spring, changing to burgundy in late summer into the fall. Warm season and sod forming. Runners.					
PSD	#1				
<i>Pennisetum alopecuroides</i> 'Hameln', Dwarf Fountain Grass 18-30"h x 12-18"w					Zone 5
Dwarf selection with attractive "bushy foxtail" seed heads in fall. Dense clump. Warm season.					
PHD	#1				
<i>Phalaris arundinacea</i> 'Picta', Variegated Ribbon Grass 18-24"h x 24-48"w					Zone 3
Green and white vertically striped blades. Vigorous grower. Difficult to confine to small area. Cool season.					
PRG	#1				
<i>Poa glauca</i> 'Blue Hills', Blue Meadow Grass 9-18"h x 9-12"w					Zone 2
Attractive blue colored grass with an airy seed head tolerating the moisture of a seasonally wet meadow, yet is also drought tolerant. Cool season, clump forming.					
PGH	#1				
<i>Pseudoroegneria spicata</i>, Bluebunch Wheatgrass 18-36"h x 18-24"w					Zone 3
Also known as <i>Agropyrum spicatum</i> . Native and common in the Northern Great Plains. Cool season. Establishes quickly. Not tolerant of high moisture. Runners.					
PBW	#1				
<i>Saccharum ravennae</i>, Plume Grass 6-8'h x 3-4'w					Zone 4/5
Very tall stiff stalks that may flower in our climate, but only during long growing seasons. If it flowers, it would have large white plumes. Large 3/4" wide leaf blade. Warm season. Clump forming.					
SPS	#1				

	5 - 24	25 - 49	50+	1 - 4	
<i>Schizachyrium scoparium</i>, Little Bluestem Grass 36-48"h x 18-24"w					Zone 4
This native grass has blue-gray foliage that turns red in autumn and golden in the winter. A clump grass, which will tolerate poor infertile soil. Warm season, clump forming, and drought tolerant.					
SLB	#1				
<i>Sesleria autumnalis</i>, Autumn Moor Grass 9-15"h x 12-18"w					Zone 4
Light green foliage and silver flower heads. Cool season, clump forming grass prefers full sun but accepts light shade. Drought tolerant once established.					
SAG	#1				
<i>Sesleria caerulea</i>, Blue Moor Grass 12-18"h x 12"w					Zone 4
Blue-green leaf blades on top, dark green beneath. Cool season, clump forming, tolerating some light shade.					
SBM	#1				
<i>Sorghastrum nutans</i> 'Indian Steel', Indian Steel Indian Grass 4-6'h x 2-3'w					Zone 3
Warm season grass with steel-blue leaves that turn yellow in the fall. Reddish-brown flowers are a striking contrast to the blue stems. Clump forming. Native.					
SIN	#1				
<i>Spartina pectinata</i>, Prairie Cordgrass 4-6'h x 2-3'w					Zone 3
Native, warm season spreads from a tufted clump by rhizomes. Prefers moist sites, but will tolerate seasonal dryness. Plant Select 1999.					
SPR	#1				
<i>Sporobolus heterolepis</i>, Prairie Dropseed 18-30"h x 18-24"w					Zone 3
Slower clump growing, warm season, native bunchgrass. Low maintenance, drought tolerant and long lived. Seed heads form in August and give off distinct aroma. Yellow to orange fall color.					
SPD	#1				

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PERENNIAL PLANTING INSTRUCTIONS

Disturbing the container root plug at planting will improve the vigor and longevity of the plant in the landscape. This can be accomplished by using a reciprocating saw with a wood pruning blade as we have described with tree planting. Alternative methods may include slicing the container plug across the plug and butterflying, opening the plant plug in the hole. Another method if the roots of the plug are not tightly circling is to shave down the sides of the plant plug loosening the soil and roots from the plug. These methods assist the plant in establishing into the native soil as well as avoiding circling roots that might constrict plant growth and cause a plant to fall over. Further tips for planting are covered on our website, within the Resources Tab.

Grass Chart

Variety	Native	Forms	Season	Moisture Tolerance	Heights		
					S	M	T
<i>Andropogon</i> , Big Bluestem Grass	Native	Upright Clump	Warm				X
<i>Bouteloua</i> , Grama Grass	Native	Clump	Warm				X
<i>Bouteloua</i> , Blonde Ambition	Adapted	Clump	Warm			X	
<i>Calamagrostis</i> , Feather Reed Grass		Upright Clump	Cool				X
<i>Carex</i> , Nebraska Sedge, Beaked Sedge	Native	Runners	Cool	Wet			X
<i>Carex</i> , Pennsylvania	Native	Runners	Cool		X		
<i>Chasmanthium</i> , Northern Sea Oats	Native	Clump	Cool				X
<i>Deschampsia</i> , Tufted Hair Grass	Native	Clump	Cool				X
<i>Deschampsia</i> , Gold Dew	Adapted	Clump	Cool			X	
<i>Festuca</i> , Blue Fescue, Boulder Blue		Clump	Cool		X		
<i>Festuca</i> , Idaho Fescue, Siskiyou Blue	Native	Clump	Cool	Dry		X	
<i>Helictotrichon</i> , Blue Oat Grass		Clump	Cool	Dry			X
<i>Hierochloe</i> , Sweetgrass	Native	Runners	Cool	Wet			X
<i>Koeleria</i> , Prairie Junegrass	Native	Small Clump	Cool			X	
<i>Leymus</i> , Basin Wildrye	Native	Clump	Cool	Wet			X
<i>Leymus</i> , Blue Dune Lyme Grass		Runners	Cool				X
<i>Miscanthus</i> , species		Clump	Warm				X
<i>Molina</i> , Skyracer Moor Grass		Clump	Cool				X
<i>Panicum</i> , Switch Grass	Adapted	Runners	Warm				X
<i>Pennisetum</i> , Dwarf Fountain Grass		Clump	Warm				X
<i>Phalaris</i> , Variegated Ribbon Grass		Runners	Cool			X	
<i>Poa glauca</i> , Blue Meadow Grass	Adapted	Clump	Cool	Wet		X	
<i>Pseudoroegneria</i> , Bluebunch Wheatgrass	Native	Runners	Cool				X
<i>Schizachyrium</i> , Little Bluestem Grass	Native	Clump	Warm	Dry			X
<i>Seslaria</i> , Autumn Moor Grass		Clump	Warm				X
<i>Seslaria</i> , Blue Moor Grass		Clump	Cool			X	
<i>Sorghastrum</i> , Indian Steel Indian Grass	Native	Clump	Warm				X
<i>Spartina</i> , Prairie Cordgrass	Native	Clump/Runners	Warm	Wet			X
<i>Sporobolus</i> , Prairie Dropseed	Native	Small Clump	Warm	Dry			X

Heights: (In flower) S=Short (<12") M=Medium (12-24") T=Tall (>24")

Form:

Clump - Forms a single clump that thickens with time.
 Small clump - Small clump that stays small over time.
 Upright clump - Taller than wide clump that thickens with time.
 Runners - Spread by rhizomes or stolons, sod forming and spreading.

Season:

Cool season grasses - Starts growing early in spring and performs better when temperatures are cool and has sufficient water during warm season.
 Warm season grasses - Slow to start growing, especially in our climate and perform better during drought. Cut plants back to 4-6" in the spring.

Fruits, Herbs & Vegetables

***Asparagus officinalis*, Jersey Knight Asparagus** 3-4'h Zone 3
 Perennial. Available as an established plant for those who don't want to wait a couple of years for harvest.

AJK #1
 #2

***Aronia melanocarpa* 'Viking'**- see page 4. This is an excellent edible.

***Fragaria*, All Star Junebearing Strawberry** Zone 4
 Resistant to verticillium wilt and ripens in June.

FSA #1

***Fragaria*, Fort Laramie Everbearing Strawberry** Zone 3
 White spring flowers, long runners, and sweet red fruit throughout the growing season.

FSF #1

NEW! *Lonicera caerulea* 'Blue Berry', Blue Berry Honeyberry 4'h Zone 3/4
 Vigorous growing Honeyberry similar to other selections. Pollinates Tundra and Borealis.

LBB #2

***Lonicera caerulea* 'Aurora', Aurora Honeyberry** 3-4'h Zone 3
 Sweet fruit similar to blueberries ripens in late June to early August. Pale yellow blooms in early spring. Pollinate with Borealis or Tundra. University of Saskatchewan bred.

LCA #2

***Lonicera caerulea* 'Borealis', Borealis Honeyberry** 4'h Zone 3
 Sweet tasting blue fruit. Pollinate with Polar Jewel. University of Saskatchewan bred.

LCB #2

***Lonicera caerulea* 'Cinderella', Cinderella Honeyberry** 3'h Zone 3
 Pollinates with most other varieties. Blends in the landscape with other shrub selections. Pollinates Borealis and Tundra.

LCH #2

***Lonicera caerulea* 'Tundra', Tundra Honeyberry** 4-5'h Zone 3
 Produces a high yeild of sweet tasting blue fruit. Pollinate with Polar Jewel. University of Saskatchewan bred.

LCT #2

***Lonicera edulis kamtschatica* 'Polar Jewel', Polar Jewel Honeyberry** 3-4'h Zone 2
 Sweet and similar in flavor to blueberries. Excellent choice for pollinating other Honeyberry varieties. Use a second selection of Honeyberry to pollinate Polar Jewel.

LPJ #2

<u>Rheum</u>, Chipmans Canada Red Rhubarb 3-4'h	Zone 3
Perennial. Available as an established plant for those who don't want to wait a couple of years to harvest. Claimed to be one of the sweetest of the red Rhubarbs. Great for pies and sauces.	
RBB #2	
<u>Ribes 'Hinnomaki'</u>, Hinnomaki Red Gooseberry 3-5'h	Zone 4
Fruiting variety with large red berries. Purported to have exceptional flavor.	
RHN #2	
<u>Ribes nigrum 'Consort'</u>, Consort Black Currant 3-6'h	Zone 3
Black fruit with a strong flavor that ripens late in the season, as with many of the tart small fruits.	
RBC #2	
<u>Ribes 'Pixwell'</u>, Pixwell Gooseberry 3-6'h	Zone 4
Very productive. Fruit turns from pale green to pink when ripe.	
RPG #2	
<u>Ribes 'Red Lake'</u>, Red Lake Currant 3-6'h	Zone 4
Large red berries borne in clusters on 2-3 year old wood. As with many of the tart small fruits, add lots of sugar to make great jams and jellies.	
RRK #2	
<u>Ribes x culverwelii</u>, Jostaberry 4-6'h	Zone 3
Fruit is a blend of flavor between a gooseberry and a black currant.	
RJB #2	
<u>Rubus 'Boyne'</u>, Red Raspberry 6'h	Zone 3
Excellent for canning, freezing and dessert. Red fruit.	
RRR #2	
<u>Rubus 'Caroline'</u>, Caroline Raspberry 4'h	Zone 4
Self-fertile improved version of Heritage Raspberry. Red fruit.	
RCL #2	
<u>Rubus 'Fallgold'</u>, Fallgold Raspberry 3-4'h	Zone 3
Golden colored fruit. Produces two crops a season.	
RFG #2	
<u>Rubus 'Heritage'</u>, Heritage Raspberry 5-6'h	Zone 4
Red medium sized fruit. Everbearing, excellent flavor fruit. Robust growing.	
RHT #2	
<u>Rubus 'Killarney'</u>, Killarney Raspberry 3-4'h	Zone 3
Summer bearing from Manitoba. Red fruit.	
RKR #2	

<u>Rubus 'Royalty'</u>, Royalty Raspberry 4'h	Zone 4
Cross between purple and red Raspberry. Produces a large fruit.	
RRY #2	
<u>Rubus 'Souris'</u>, Souris Raspberry 3-4'h	Zone 3
Introduction from Canada that is an improved red, summer bearing Raspberry. Sweeter than Boyne.	
RSU #2	
<u>Vaccinium 'Chippewa'</u>, Chippewa Blueberry 30-40"h	Zone 4
Upright growth habit, large dark blue fruit. Bright red fall foliage. Blueberries require a more acidic soil. This can be accomplished by altering the acidity of the water to the plant, adding sulfur to the planting mix, or top dressing with granulated sulfur. A moist, well drained soil is desired.	
VCB #1	
<u>Vaccinium 'Northblue'</u>, Northblue Blueberry 36-48"h	Zone 3
One of the hardiest selections. See cultural notes above.	
VNB #1	
<u>Vaccinium 'Northcountry'</u>, Northcountry Blueberry 18-24"h x 24-30"w	Zone 4
Partially self-fruitful. Shorter growing blueberry. See cultural notes above.	
VNC #1	
<u>Vitis 'Beta'</u>, Beta Grape	Zone 3
Vigorous growing, blue-black excellent fruit for juice or jelly. Noted for its cold hardiness.	
VBT #2	
<u>Vitis 'Bluebell'</u>, Bluebell Grape	Zone 4
More hardy than Concord but similar purple fruit color suitable for eating.	
VBB #2	
<u>Vitis 'Edelweiss'</u>, Edelweiss Grape	Zone 4
Vigorous growing, disease resistant green-white grape. Dessert and wine grape.	
VED #2	
<u>Vitis 'Frontenac Gris'</u>, Frontenac Gris™ Grape	Zone 4
Copper-peach colored grape used for fresh eating, desserts and white wine making.	
VFG #2	
<u>Vitis 'Kay Gray'</u>, Kay Gray Grape	Zone 4
Hardy white wine grape.	
VKG #2	
<u>Vitis 'Valiant'</u>, Valiant Grape	Zone 3
An attractive blue grape that is good for juice or jelly.	
VVG #2	

Ground Covers (12" or less in height)

<i>Aegopodium p. 'Variegatum'</i> , Snow on the Mountain	<i>Lysimachia</i> species, Moneywort
<i>Ajuga</i> species	<i>Mahonia repens</i> , Creeping Mahonia
<i>Antennaria dioica 'Rubra'</i> , Pink Pussytoes	<i>Nepata 'Junior Walker'</i> , Junior Walker Catmint
<i>Arabis alpina</i> selections, Rockcress	<i>Nepata x 'Little Trudy'</i> , Little Trudy Catmint
<i>Arctostaphylos uva-ursi</i> , Massachusetts Kinnikinnick	<i>Oenothera macrocarpa</i> , Evening Primrose
<i>Armeria maritima 'Splendens'</i> , Splendens Sea Pink	<i>Phlox subulata</i> , Creeping Phlox
<i>Artemisia schmidtiana</i> , Silver Mound Wormwood	<i>Pulsatilla</i> species
<i>Aster alpinus</i> , Alpine Aster	<i>Potentilla neumanniana</i> , Creeping Cinquefoil
<i>Aurinia saxatilis</i> , Basket of Gold	<i>Sagina subulata</i> , Irish Moss
<i>Campanula carpatica</i> , Blue & White Bellflower	<i>Saponaria ocymoides</i> , Soapwort
<i>Campanula p. 'Blue Waterfall'</i> , Blue Waterfall Blue Bells	<i>Sedum acre</i> , Golden Carpet Sedum
<i>Cerastium tomentosum</i> , Snow in Summer	<i>Sedum album</i> , 'Coral Carpet'
<i>Dianthus</i> species	<i>Sedum kamtschaticum</i> , Yellow Stonecrop
<i>Erigonum umbellatum</i> , 'Kannah Creek', Buckwheat	<i>Sedum v. 'Blue Spruce'</i> , Blue Creeping Stonecrop
<i>Fragaria</i> species, Strawberry	<i>Sedum spurium 'Dragon's Blood'</i>
<i>Galium odoratum</i> , Sweet Woodruff	<i>Sempervivum tectorum</i> , Hen & Chicks
<i>Geranium mac.</i> and selections, Geranium	<i>Thymus praecox</i> and <i>serpyllum</i>
<i>Geranium san.</i> and selections, Bloody Cranesbill	<i>Veronica liwanensis</i> , Turkish Speedwell
<i>Lamium</i> species	<i>Veronica x 'Tidal Pool'</i> , Creeping Speedwell
	<i>Vinca minor</i> , Common Periwinkle

Native Perennials List

<i>Achillea millefolium</i>	<i>Campanula r. 'Olympica'</i>	<i>Matteuccia struthiopteris</i>
<i>Allium cernum</i>	<i>Echinacea pallida</i> (Eastern U.S.)	<i>Oenothera macrocarpa</i>
<i>Anaphalis margaritacea</i>	<i>Fragaria americana</i>	<i>Penstemon pinifolius</i>
<i>Aquilegia caerulea</i>	<i>Geum triflorum</i>	<i>Penstemon strictus</i>
<i>Aquilegia chrysantha</i>	<i>Helianthus maximiliana</i>	<i>Ratibida columnifera</i>
<i>Artemisia frigida</i>	<i>Lobelia cardinalis</i>	<i>Yucca glauca</i>
<i>Baptisia australis</i>	<i>Mahonia repens</i>	

Adapted Perennials List

<i>Antennaria dioica 'Rubra'</i>	<i>Echinacea</i> selections	<i>Heliopsis h. 'Summer Sun'</i>
<i>Arctostaphylos 'Massachussets'</i>	<i>Eriogonum u. 'Kannah Creek'</i>	<i>Liatris spicata 'Kobold'</i>
<i>Centaurea montana</i>	<i>Eupatorium</i> selections	<i>Lupinus</i> selections

Variety	Flowering Season						Flower Color	Light	Moisture Tolerance	Heights		
	April	May	June	July	August	Sept				S	M	T
<i>Achillea</i> , White Yarrow (Native)	A	M	J	J	A	S	White	FS			X	
<i>Achillea</i> , Yarrow selections	A	M	J	J	A	S	Ylw, Red, Org	FS			X	
<i>Aegopodium</i> , Snow on the Mountain	A	M	J	J	A	S	White	PS	W	X		
<i>Ajuga</i> , Bronze Beauty	A	M	J	J	A	S	Blue	PS/SH	W	X		
<i>Ajuga</i> , Catlin's Giant	A	M	J	J	A	S	Purple	PS/SH	W	X		
<i>Alcea</i> , Hollyhock	A	M	J	J	A	S	Ylw/Pink/Red	FS	D			X
<i>Alchemilla</i> , Thriller	A	M	J	J	A	S	Yellow	FS/PS			X	
<i>Allium cernuum</i> (Native)	A	M	J	J	A	S	White to Pink	FS			X	
<i>Allium</i> , Summer Beauty, Mongolian Gem	A	M	J	J	A	S	Pink	FS			X	
<i>Anaphalis</i> , Pearly Everlasting (Native)	A	M	J	J	A	S	White	FS/PS				X
<i>Anemone</i> , Snowdrop	A	M	J	J	A	S	White	FS/PS			X	
<i>Antennaria</i> , Pussytoes (Adapted)	A	M	J	J	A	S	Pink	FS	D	X		
<i>Aquilegia chrysantha</i> (Native)	A	M	J	J	A	S	Yellow	FS/PS				X
<i>Aquilegia</i> , Colorado, McKana's Giant	A	M	J	J	A	S	Blue, Mixed	FS/PS				X
<i>Aquilegia caerulea</i> , Columbine (Native)	A	M	J	J	A	S	Red & White	PS/SH				X
<i>Aquilegia</i> , Blue & White, Red & White	A	M	J	J	A	S	Red, Blue	FS/PS			X	
<i>Arabis</i> , Rockcress selections	A	M	J	J	A	S	Pink, White	FS/PS		X		
<i>Arctostaphylos</i> Massachusetts (Adapted)	A	M	J	J	A	S	Pink	PS/SH		X		
<i>Armeria</i> , Splendens Sea Pink	A	M	J	J	A	S	Pink	FS		X		
<i>Artemisia</i> , Fringed Sage (Native)	A	M	J	J	A	S	Pale Yellow	FS				X
<i>Artemisia</i> , Silver Mound Wormwood	A	M	J	J	A	S	Pale Yellow	FS	D	X		
<i>Aruncus</i> , Goatsbeard	A	M	J	J	A	S	White	PS/SH				X
<i>Aster</i> , Alpine Aster	A	M	J	J	A	S	Mixed	FS		X		
<i>Aster</i> , Purple Dome	A	M	J	J	A	S	Lavendar purple	FS			X	
<i>Aster</i> , Wood's Pink	A	M	J	J	A	S	Pink	FS			X	
<i>Astilbe</i> selections	A	M	J	J	A	S	Wht, Red, Pink	PS/SH	W		X	
<i>Aurinia</i> , Basket of Gold	A	M	J	J	A	S	Yellow	FS		X		
<i>Baptisia</i> , False Indigo (Native)	A	M	J	J	A	S	Blue-purple	FS/PS	D			X
<i>Bergenia</i> , Heartleaf Bergenia	A	M	J	J	A	S	Pink	PS	W		X	
<i>Brunnera</i> , Jack Frost	A	M	J	J	A	S	Blue	FS/PS			X	
<i>Campanula</i> , Bellflower	A	M	J	J	A	S	Blue, White	FS/PS			X	
<i>Campanula</i> , Tall Bellflower	A	M	J	J	A	S	Purple	FS/PS			X	

Light Requirements: FS=Full Sun PS=Partial Shade SH=Shade

Moisture Tolerance: D=Dry, the perennial can withstand drier conditions than others.

W=Wet, the perennial can tolerate wet conditions.

Heights: (In flower) S=Short (<12") M=Medium (12-24") T=Tall (>24")

Flowering Season: Depends on the climate you are in, therefore use it only as a guide.

Plant size, flower description and color can be found in the Perennial Section of our catalog.

Variety	Flowering Season						Flower Color	Light	Moisture Tolerance	Heights		
	April	May	June	July	August	Sept				S	M	T
	<i>Campanula</i> , Peach-Leaved	A	M	J	J	A				S	Blue	FS
<i>Campanula</i> , Blue Waterfall	A	M	J	J	A	S	Blue	FS/PS		X		
<i>Centaurea</i> , Mountain Bluet (Adapted)	A	M	J	J	A	S	Blue	FS	D		X	
<i>Cerastium</i> , Snow in Summer	A	M	J	J	A	S	White	FS	D	X		
<i>Coreopsis</i> , Baby Sun, Jethro Tull	A	M	J	J	A	S	Yellow	FS			X	
<i>Coreopsis</i> , Moonbeam	A	M	J	J	A	S	Yellow	FS	D		X	
<i>Coreopsis</i> , Threadleaf	A	M	J	J	A	S	Golden	FS	D		X	
<i>Dianthus</i> , Indian Carpet	A	M	J	J	A	S	Mixed	FS/PS		X		
<i>Dianthus</i> , Maiden Pink, Firewitch	A	M	J	J	A	S	Red, Pink	FS		X		
<i>Dianthus</i> , Bath's Pink	A	M	J	J	A	S	Pink	FS		X		
<i>Dicentra</i> , Bleeding Heart	A	M	J	J	A	S	Pink, White	PS/SH			X	
<i>Digitalis</i> , Foxy	A	M	J	J	A	S	Mixed	FS/PS	W		X	
<i>Echinacea</i> , Coneflower selections (Adapted)	A	M	J	J	A	S	Purple, White	FS/PS	D		X	
<i>Echinops</i> , Globe Thistle	A	M	J	J	A	S	Blue	FS	D		X	
Erigeron, Fleabane	A	M	J	J	A	S	Blue	FS	D		X	
<i>Eriogonum</i> , Kannah Creek Buckwheat (Adapted)	A	M	J	J	A	S	Yellow	FS/PS	D	X		
<i>Eupatorium</i> , Pye Weed (Adapted)	A	M	J	J	A	S	Purple	FS/PS			X	
<i>Euphorbia</i> , Cushion, Bonfire	A	M	J	J	A	S	Yellow	FS/PS			X	
Ferns												
<i>Athyrium</i> , Lady in Red & Common Red Fern	A	M	J	J	A	S		PS/SH			X	
<i>Matteuccia</i> , Ostrich Fern (Native)	A	M	J	J	A	S		PS/SH			X	
<i>Dryopteris</i> , Male Fern	A	M	J	J	A	S		FS/PS			X	
<i>Fragaria</i> , Wild (Native)	A	M	J	J	A	S		FS/PS		X		
<i>Gaillardia</i> , Apricot, Red Shades	A	M	J	J	A	S	Yellow, Red	FS	D	X		
<i>Gaillardia</i> , Arizona Sun, Goblin	A	M	J	J	A	S	Yellow, Red	FS	D		X	
<i>Galium</i> , Sweet Woodruff	A	M	J	J	A	S	White	PS/SH	W	X		
<i>Geranium</i> selections	A	M	J	J	A	S	Pink, Blue, Red	FS/PS		X		
<i>Geranium</i> , Bigroot, Johnson's Blue, Rozanne	A	M	J	J	A	S	Pink, Blue, Purp	FS/PS			X	
<i>Geum</i> , Mrs. Bradshaw	A	M	J	J	A	S	Red	FS/PS			X	
<i>Geum</i> , Prairie Smoke Avens (Native)	A	M	J	J	A	S	Pink	FS/PS			X	
<i>Gypsophila</i> , Bristol Fairy	A	M	J	J	A	S	White	FS			X	
<i>Helenium</i> , Bandera	A	M	J	J	A	S	Red, Yellow	FS	W		X	
<i>Helianthus</i> , Sunflower (Native)	A	M	J	J	A	S	Yellow	FS	D		X	
<i>Heliopsis</i> , False Sunflower (Adapted)	A	M	J	J	A	S	Yellow	FS/PS	W		X	
<i>Hemerocallis</i> , Daylily selections	A	M	J	J	A	S	Various	FS		X	X	
<i>Heuchera</i> , Splendens, Snow Angel, Palace Purple	A	M	J	J	A	S	White, Red, Pink	FS/PS			X	
<i>Hosta</i> , Plantain Lily selections	A	M	J	J	A	S	White, Purple	PS/SH			X	
<i>Iberis</i> , Candytuft	A	M	J	J	A	S	White	FS			X	

Variety	Flowering Season						Flower Color	Light	Moisture Tolerance	Heights		
	April	May	June	July	August	Sept				S	M	T
	<i>Iris</i> , White Iris, Variegated, Caesar's Brother	A	M	J	J	A				S	Blue, White	FS
<i>Lamium</i> selections	A	M	J	J	A	S	Pink, Purp, Wht	PS/SH		X		
<i>Lavendula</i> , Lavender selections	A	M	J	J	A	S	Purple/Blue	FS			X	
<i>Leucanthemum</i> , Alaska & Becky	A	M	J	J	A	S	White	FS			X	
<i>Leucanthemum</i> , Snowcap Daisy	A	M	J	J	A	S	White	FS		X		
<i>Liatris</i> , Kobold (Adapted)	A	M	J	J	A	S	Purple	FS	D		X	
<i>Liatris</i> , White Gayfeather (Adapted)	A	M	J	J	A	S	White	FS	D		X	
<i>Ligularia</i> , The Rocket, Little Rocket	A	M	J	J	A	S	Yellow	FS/PS			X	
<i>Lilium</i> , Yellow & Pink	A	M	J	J	A	S	Pink, Yellow	FS			X	
<i>Lobelia</i> , Cardinal Flower (Native)	A	M	J	J	A	S	Red	FS/PS	W		X	
<i>Lupinus</i>	A	M	J	J	A	S	Red, Blue, Ylw.	FS/PS			X	
<i>Lychnis</i> , Maltese Cross	A	M	J	J	A	S	Red	FS/PS			X	
<i>Lysimachia</i> , Moneywort, Golden Moneywort	A	M	J	J	A	S	Yellow	FS/PS		X		
<i>Mahonia repens</i> (Native)	A	M	J	J	A	S	Yellow	FS/PS		X		
<i>Monarda</i> , Grand Parade	A	M	J	J	A	S	Purple	FS/PS			X	
<i>Monarda</i> , Bee Balm selections (Adapted)	A	M	J	J	A	S	Pink, Red, Purp	FS/PS			X	
<i>Nepeta</i> , Walker's Low Catmint	A	M	J	J	A	S	Purple	FS/PS	D		X	
<i>Nepeta</i> , Junior Walker, Little Trudy	A	M	J	J	A	S	Purple	FS/PS	D	X		
<i>Oenothera</i> , Evening Primrose (Native)	A	M	J	J	A	S	Yellow	FS/PS		X		
<i>Osteospermum</i> , Avalanche	A	M	J	J	A	S	White	FS/PS		X		
<i>Paeonia</i> , Peony selections	A	M	J	J	A	S	Red, Pink, Wht	FS			X	
<i>Papaver</i> , Poppy selections	A	M	J	J	A	S	Red	FS			X	
<i>Penstemon</i> , Bridges'	A	M	J	J	A	S	Red	FS			X	
<i>Penstemon</i> , Bugler, Husker, Rocky Mtn (Native)	A	M	J	J	A	S	Red, Purp, Wht	FS/PS			X	
<i>Penstemon</i> , Coral Baby	A	M	J	J	A	S	Pink	FS			X	
<i>Penstemon</i> , Pike's Peak	A	M	J	J	A	S	Purple	FS/PS			X	
<i>Penstemon</i> , Pineneedle (Native)	A	M	J	J	A	S	Scarlet	FS			X	
<i>Penstemon</i> , Red Rocks	A	M	J	J	A	S	Rose	FS/PS			X	
<i>Perovskia</i> , Russian Sage, Little Spire Sage	A	M	J	J	A	S	Purple	FS			X	
<i>Phlox</i> , Tall Garden Phlox selections	A	M	J	J	A	S	Various	FS/PS	W		X	
<i>Phlox</i> , Creeping Phlox selections	A	M	J	J	A	S	Various	FS/PS		X		
<i>Polemonium</i> , Jacob's Ladder	A	M	J	J	A	S	Blue	PS/SH			X	
<i>Potentilla</i> , Cinquefoil Potentilla	A	M	J	J	A	S	Yellow	FS/PS	D	X		
<i>Pulsatilla</i> , European Pasqueflower	A	M	J	J	A	S	Purple	FS	D	X		
<i>Ratibida</i> , Prairie Coneflower (Native)	A	M	J	J	A	S	Yellow, Red	FS	D		X	
<i>Rudbeckia</i> , Orange Coneflower	A	M	J	J	A	S	Yellow/Orange	FS			X	
<i>Sagina</i> , Irish Moss	A	M	J	J	A	S	White	PS/SH		X		
<i>Salvia</i> , Cardonna, May Night	A	M	J	J	A	S	Purple	FS			X	

Variety	Flowering Season						Flower Color	Light	Moisture Tolerance	Heights		
	April	May	June	July	August	Sept				S	M	T
<i>Salvia</i> , Marcus Dwarf, Pink	A	M	J	J	A	S	Purple, Pink	FS		X		
<i>Salvia</i> , Snow Hill	A	M	J	J	A	S	Pink, White	FS			X	
<i>Saponaria</i> , Soapwort	A	M	J	J	A	S	Pink	FS		X		
<i>Sedum</i> , Golden Carpet Sedum	A	M	J	J	A	S	Yellow	FS	D	X		
<i>Sedum</i> , Coral Carpet	A	M	J	J	A	S	Pink	FS		X		
<i>Sedum</i> , Yellow Stonecrop, Blue Spruce	A	M	J	J	A	S	Yellow	FS		X		
<i>Sedum</i> , Autumn Joy	A	M	J	J	A	S	Pink	FS			X	
<i>Sedum</i> , Dragon's Blood	A	M	J	J	A	S	Pink	FS		X		
<i>Sedum</i> , Vera Jameson	A	M	J	J	A	S	Pink	FS		X		
<i>Sempervivum</i> , Hen & Chicks	A	M	J	J	A	S	Pink/Red	FS/PS	D	X		
<i>Solidago</i> , Crown of Rays	A	M	J	J	A	S	Yellow	FS/PS				X
<i>Solidago</i> , Little Lemon	A	M	J	J	A	S	Yellow	FS			X	
<i>Stachys</i> , Lamb's Ears	A	M	J	J	A	S	Purple	FS/PS			X	
<i>Tanacetum</i> , Painted Daisy	A	M	J	J	A	S	Pink, Red	FS/PS			X	
<i>Thymus</i> , Red, Woolly, Mother of	A	M	J	J	A	S	Red, Pink, Purp	FS/PS		X		
<i>Tradescantia</i> , Concord	A	M	J	J	A	S	Purple	FS/PS	W		X	
<i>Trollius</i> , Globe Flower	A	M	J	J	A	S	Orange	FS/PS	W			X
<i>Veronica</i> , Turkish	A	M	J	J	A	S	Blue	FS/PS		X		
<i>Veronica</i> , Icicle, Red Fox, Border Blue	A	M	J	J	A	S	Wht, Pink, Blue	FS/PS			X	
<i>Veronica</i> , Royal Candles	A	M	J	J	A	S	Blue	FS/PS			X	
<i>Veronica</i> , Tidal Pool	A	M	J	J	A	S	Blue	FS/PS		X		
<i>Vinca</i> , Common Periwinkle	A	M	J	J	A	S	Purple	PS/SH		X		
<i>Yucca</i> , Soapweed (Native)	A	M	J	J	A	S	White	FS	D		X	
<i>Zauschneria</i> , California Fuchsia	A	M	J	J	A	S	Orange	FS/PS		X		

Deer resistant plants, now there is a conundrum. Deer are very resilient and their foraging abilities rival those of their smaller rodent cousins, mice. Are any plants truly deer resistant? If the deer population is large enough or if forage is limited, they will eat just about any plant, any place, any time.

There are, however, some plants deer prefer **not** to eat and some that are their plants of choice. That is how this list was compiled. We selected six different university or governmental agency sources from the internet and noted an 'X' for "Resistant to Deer" and an "A" for "Attracts Deer," for each reference that was found. Thus, with a plant like Digitalis or Lamium that has six 'X's it is a good bet that these will not be bothered by deer.

This list is not complete but just for the plants we grow. The sources probably overlap some; that is, one source lists resistance and another source copies the work and the myth or fact is perpetuated. So, use this at your discretion, ask others what has worked, look in the landscape. What has been browsed what has not? And above all realize **no plant** is ever completely **deer resistant**.

Deer Resistant and Susceptible Plants

TREES		PERENNIALS		PERENNIALS	
<i>Betula papyrifera</i>	xxx	<i>Astilbe</i> selections	xxxx	<i>Penstemon</i> species	xx
<i>Gleditsia triacanthos 'Skycole'</i>	xxx	<i>Baptisia</i> species	xx	<i>Perovskia atriplicifolia</i>	xxxx
SHRUBS		<i>Bergenia cordifolia</i>	xx	<i>Polemonium caeruleum</i>	xxx
<i>Berberis</i> species	xxxx	<i>Caryopteris clandonensis</i>	xxxxx	<i>Potentilla</i> selections	xxx
<i>Cornus sericea var. coloradensis</i>	xxx	<i>Coreopsis</i> selections	xxxx	<i>Rudbeckia 'Goldsturm'</i>	xx
<i>Forsythia</i> species	xxxx	<i>Dicentra spectabilis</i> selections	xxxxx	<i>Salvia</i> selections	xx
<i>Potentilla fruticosa</i> selections	xxx	<i>Digitalis</i> species	xxxxxx	<i>Solidago</i> selections	xxxxx
<i>Rhus aromatica 'Gro-low', trilobata</i>	xx	<i>Echinacea</i> selections	xxxx	<i>Stachys lanata</i>	xxxxx
<i>Ribes aureum</i>	xxx	<i>Echinops ritro</i>	xx	<i>Thymus</i> species	xxx
<i>Spiraea</i> species	xxx	<i>Eupatorium</i> species	xx	<i>Veronica</i> selections	xx
<i>Syringa vulgaris</i>	xx	<i>Euphorbia</i> species	xxx	<i>Yucca</i> species	xxxx
EVERGREENS		<i>Gaillardia</i> selections	xxx	<i>Vinca minor</i>	xx
<i>Buxus</i> species	xx	<i>Galium odoratum</i>	xxxx	GRASSES	
<i>Juniperus 'Prince of Wales'</i>	xx	<i>Geranium</i> selections	xxxx	<i>Andropogon</i> species	xx
<i>Picea abies</i>	xx	<i>Iberis sempervirens</i>	xxx	<i>Calamagrostis</i> selections	xx
<i>Picea pungens 'Glauca'</i>	xx	<i>Iris</i> species	xxx	<i>Chasmanthium lat.</i>	xx
<i>Pinus mugo</i> selections	xx	<i>Lamium</i> selections	xxxxxx	<i>Festuca 'Elijah Blue'</i>	xx
<i>Pinus nigra</i>	xx	<i>Lavandula</i> species	xxxxx	<i>Miscanthus</i> selections	xxx
<i>Pinus sylvestris</i>	xxx	<i>Leucanthemum</i> selections	xx	<i>Molinia</i> selections	xx
PERENNIALS		<i>Liatis</i> species	xxx	<i>Pennisetum 'Hameln'</i>	xx
<i>Achillea</i> species	xxxxx	<i>Mahonia</i>	xxxxx	SUSCEPTIBLE PLANTS	
<i>Ajuga</i> selections	xxx	<i>Matteuccia struthiopteris</i>	xxx	<i>Hosta</i> species	AA
<i>Allium</i> species	xxx	<i>Monarda</i> selections	xxxxx	<i>Rhododendron</i> selections	AA
<i>Aquilegia</i> selections	xxx	<i>Nepeta</i> selections	xxxxx	<i>Taxus x media</i> selections	AA
<i>Arctostaphylos uva-ursi 'Mass.'</i>	xx	<i>Paeonia</i> selections	xx	<i>Thuja occidentalis</i> selections	AA
<i>Artemisia schmidtiana</i>	xxxx	<i>Papaver</i> species	xxxx		

Each 'X' represents a source found indicating "deer resistance." Each "A" represents deer attraction.

FLATHEAD VALLEY MONTANA

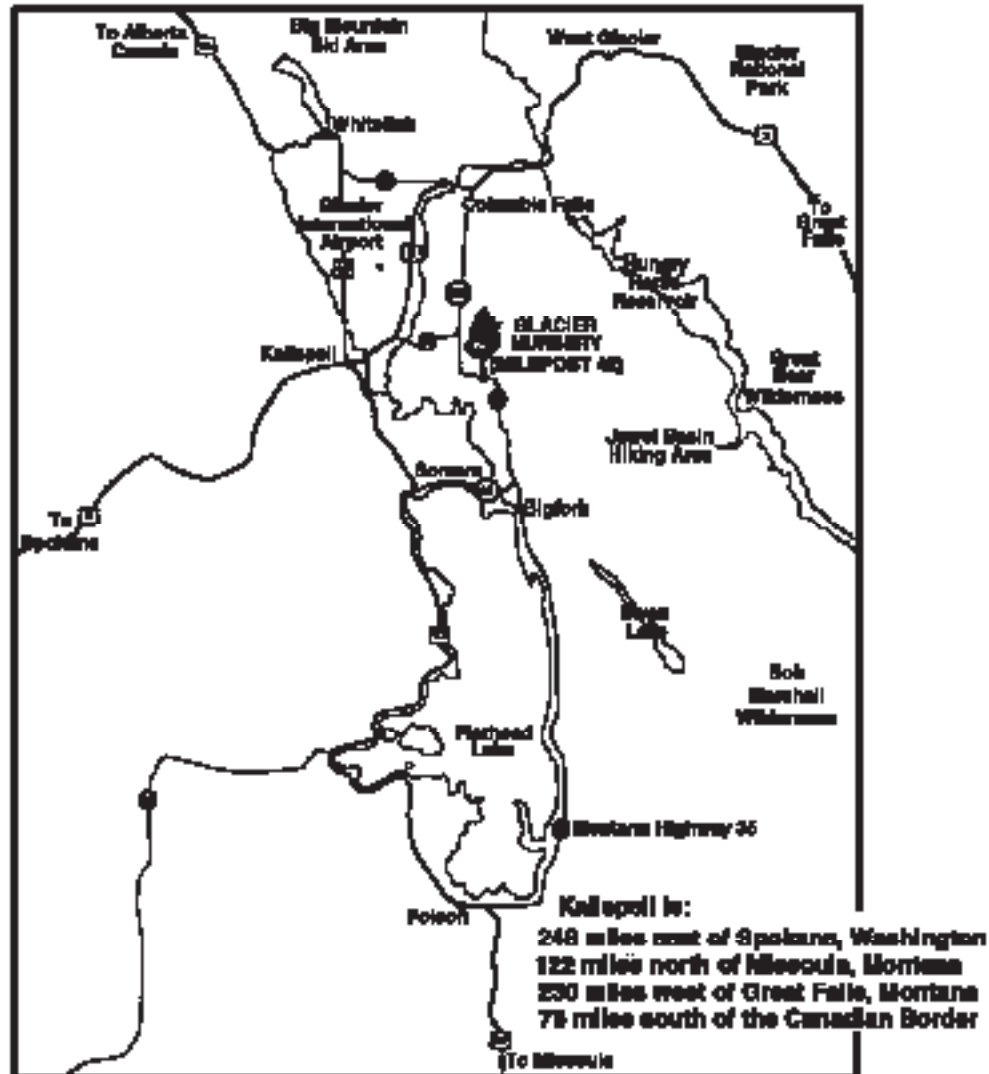
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