



WHOLESALE PRICE LIST



2019

WHAT'S NEW FOR 2019?

COMPETITIVE DELIVERY COSTS. Our 2018 freight charges on plant shipments averaged 8 percent of the total plant invoice — a very competitive rate compared to other growers. We anticipate a similar rate this year. Also, we do not deliver with racks that eat up truck space, adding to the freight expense and creating excess shipping debris.

ONE STOP SHOPPING for all your plant needs. We offer approximately 1,000 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. We are here when you need us.

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

Thank you all for your past and future support! We look forward to serving your plant needs in 2019.

Brad Brown

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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 price per plant varies based upon the number of plants ordered and delivered at one time to the same location, please see page 5 for specific pricing instructions.

- 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.
- A 2 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 towards **interest, freight and then the oldest** invoices remaining (in that order).
- Special handling is charged at cost. See cancellation, restocking and late season pickup below.
- Glacier Nursery, Inc., charges freight on behalf of our carriers. Discounts are not offered on freight and all payments are applied towards freight first. A minimum freight charge 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.
- A volume rebate is offered on the amount of the purchases made during the calendar year. See page 3 for specific details. To qualify for any volume rebates, you must pay your account in full within 30 days of invoice date. Those who do not pay in full within 30 days will forfeit volume rebates. Volume rebates will be forfeited on the Early Order Discount unless all terms and conditions of the program are followed.
- Interest of 1½ 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 nursery stock delivered after January 1, 2019.

TERMS:

- All nursery stock travels at purchaser's risk and expense. Our responsibility ceases upon delivery to the carrier.
- Glacier Nursery, Inc., retains a vendor's interest in all goods until such goods have been paid for in full.
- Any legal actions by Glacier Nursery, Inc., shall be initiated in the jurisdiction of our choice. Glacier Nursery, Inc., 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 pick-up after July 1, 2019. Trees held for pickup after July 1, 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.

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, 2019. Claims for losses of goods while in transit must be filed with the carrier, not with Glacier Nursery, Inc. 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.

CANCELLATION, RESTOCKING AND LATE SEASON PICKUP FEE: Plants that are readied and staged for shipping or pickup and subsequently cancelled are will be assessed a 20 percent restocking fee. Plants picked up by the customer and later returned for credit will be assessed a 20 percent restocking fee. Orders placed during the third full week of October and later, for fall pickup, will be subject to 1-4 pricing, and/or an additional handling fee on all container plants. (We have to "burrow" beneath plastic for the plants).

TERMS AND CONDITIONS OF SALE (cont.)

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.

REBATE/DISCOUNT SCHEDULE

VOLUME REBATE PLAN: The following Volume Rebate Plan 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:	\$20,000 - 29,999	2%	\$70,000 - 79,999	7%
	\$30,000 - 39,999	3%	\$80,000 - 89,999	8%
	\$40,000 - 49,999	4%	\$90,000 - 99,999	9%
	\$50,000 - 59,999	5%	\$100,000 and up	10%
	\$60,000 - 69,999	6%		

The volume rebate will be computed on sales of plant material purchased in a calendar year. This rebate is cumulative; therefore, the more you purchase from Glacier Nursery, Inc., the greater the rebate you will receive. 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 around December 1, each year, or may be applied to your account as a credit for the next year. Volume rebate checks will not be issued for any account unpaid as of December 31, 2019. The Early Order Discount terms below are **in addition** to the Volume Rebate Plan.

EARLY ORDER DISCOUNT WITH EXTENDED TERMS: If you find yourself ordering next years plants from this years order, consider the advantage of our Early Order Discount. For all nursery stock ordered prior to September 30, 2018 and delivered between March 1, 2019 and May 31, 2019, you will receive:

- 2018 prices on your 2019 shipments.
- Customers with approved credit will receive 60-day terms.
- Eligible for the Volume Rebate Plan as specified in the above paragraph.
- Early Order Discounts are based on the following schedule:

Total Early Order Volume:	\$10,000 - 19,999	2%	\$40,000 - 49,999	5%
	\$20,000 - 29,999	3%	\$50,000+	6%
	\$30,000 - 39,999	4%		

- Only orders placed by September 30, 2018 and shipped **in full** by May 31, 2019 will be eligible for the above discounts. Plants ordered but not shipped by May 31, 2019 will be cancelled.
- Customers who do not take their entire Early Order or who do not pay within 60 days will forfeit the Early Order Discount and may be re-billed at the current years price, instead of the previous years price.
- Early Order Discount customers will be mailed a check or receive a credit to their account upon payment in full for orders that are placed by September 30, 2018 shipped by May 31, 2019 and payment received as agreed. No discount will be offered on spring orders that are **not** paid as of July 31, 2019.
- To be eligible for the discount your order must be shipped as acknowledged.

QUANTITY PRICING: The individual price per plant is based upon the number ordered and delivered at one time to the same location. The item ordered and delivered must be of the same species, same container size, and same plant size to receive the quantity pricing. Price breaks are offered at quantities of 5, 25 and 50. Only select items receive 25 or 50 & up pricing. Quantity column headings at the top of each page will help you price plants accordingly.

DISCOUNT FOR PROMPT PAYMENT: A 2 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 or make specific order deposits. All payments go towards the **oldest** invoices remaining. **Payments made with credit cards are not eligible for the 2 percent discount.**

VISA/MASTERCARD PURCHASES: Customers with pre-pay terms as well as those with established credit, may use a Visa, MasterCard or Discover Card to purchase plants at Glacier Nursery, Inc. **All purchases made with credit cards are not eligible for the 2 percent discount.** For customers with established credit, payment must be made within 10 days of invoice; credit card payments made after 10 days are subject to an additional 2 percent service charge.

ELECTRONIC PAYMENTS: All checks are electronically deposited the day they are received. We also can accept payment by taking the check information over the phone.

PICK UP ORDERS: Customers are welcome to pick up orders, but it is important to arrive properly equipped to transport the stock. This should include suitable tarps and rope. Failure to arrive properly equipped will delay loading and will nullify any guarantee of stock viability. **We appreciate at least 24 hours notice in advance so we may have the order assembled and ready to go.** Advance notice will prevent delays of picking up the order with both plant material and paperwork. We realize that your time is valuable. During our busy season in the spring, we may not be able to get your order assembled on the same day you call.

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 on perennials). Most of our evergreens are grown by nurseries in our region, early spring shipments are generally overwintered here in Montana. Occasionally we will 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, Inc.

We have tried propagating almost every species we sell here at Glacier Nursery, Inc., 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 USDA NRCS Plant Database.

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.

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, Inc., 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.

NATIVE PLANTS: Native to us means **native to North America**. See page 74 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>.

PRICES: When we price stock, we consider the plant species, plant size, and the size of the container the plant is growing in. Please see our Volume Rebate Plan and take note of our additional discounts available to you for Early Order Discount purchases and prompt payment (see page 3). Quantity column headings at the top of each page help you price plants accordingly. The individual price per plant is based upon the number ordered and delivered at one time to the same location. The item ordered and delivered must be of the same species, same container size and same plant size to receive the quantity pricing. Price breaks are offered at quantities of 5, 25 and 50. Only select items receive 25 or 50 & up pricing.

ORDERING HINTS: It is more economical to order in quantities of **5 or more** whenever possible.

Container shrub standards

#1	NSZ	Generous grade, generally 12" in height, many heavy stems.
#2 & #5	NSZ	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.
#7	3'/4'	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.
#15	4'/6'	Many of the popular, large growing shrubs are offered in a #15 container. These plants are large, full plants, grown with the intent of replacing B&B shrubs. Attributes of these #15 shrubs include vigorous growing plants that are well rounded and full to the base of the plant.
#25	8' & up	We offer a number of species in a #25 container. These plants replace smaller, traditionally balled and burlaped sizes.

ORDERING HINTS: con't

Container tree standards. Our trees are grown in 5 different size containers. Not all species are available in every size.

- | | |
|-----|--|
| #5 | Our most economical size. Lightly branched with four or more 12" or longer branches. |
| #7 | 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. |
| #15 | 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 | Generally 1.75" caliper, intended to be comparable in fullness to small B&B trees of the same size. Many are grown two growing seasons in the container. |
| #25 | 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. |

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. On 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 chipped, covered 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 created a user friendly website to help with plant purchases.

Our availability is updated at least weekly. Inventory is always changing, whether it is from the plants growing or orders being placed or adjusted. Feel free to call or send us an email if you do not see what you are looking for on the availability list. We can let you know the status of that particular item. The online order is part of the availability list. 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. Our inventory numbers represent the present, not the future, so please contact us with orders that are for weeks or months in the future. We feel this is a useful tool and we hope you can use it to its full potential.

SUSTAINABILITY, MORE THAN A WORD TO US AT GLACIER NURSERY, INC: Over the last thirty 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, Inc.

- Reusing plastic pots that are returned from our customers, (we pay 4 cents per gallon). We ship broken and odd sized pots to a recycling depot on the West Coast. Each year, 60 percent of our plantings are into reused pots.
- 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, Inc. The chips are added to our potting mix.
- 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 sawed up and used as blocking on outbound shipments.
- Cardboard boxes and pallets we receive with inbound plants are reutilized as packing for outbound shipments.
- 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.

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 soil 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.

6' trees are in #7 containers, 14" in diameter, 11" in depth; weighing ~ 40 pounds.

1.25" & 1.50" trees are in #15 containers, 17" in diameter, 15" in depth; weighing ~ 100 pounds.

1.75" trees are in #20 containers, 19" in diameter, 17" in depth; weighing ~ 140 pounds.

1.75" & 2" and larger trees are in #25 containers, 23" in diameter, 18" in depth; weighing ~ 200 pounds.

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 2.50" 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 individual price per plant is based upon the number ordered and delivered at one time to the same location. Price breaks are offered on select items for quantities of 5, 25 and 50 plus. The item ordered and delivered must be of the same species, same container size and same plant size to receive the quantity pricing. Quantity column headings at the top of each page help price plants accordingly.

Most of the trees are overwintered or have grown at Glacier Nursery, Inc., 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, Inc., feel free to ask, as we are more than willing to share that information with you.

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" 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 no more than 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.

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 - Please see Evergreens page 76.

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"
	#15	1.5"
	#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 #25	10'

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 #7

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 is an attractive maroon hue in youth that adds winter interest.

ANS	#7	
	#15	1.25"
	#15	1.5"
	#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
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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 page 39.

Acer platanoides 'Emerald Queen', Emerald Queen Norway Maple 50-60'

Zone 4

Rapid growing, green leafed Norway Maple with upright habit. Yellow fall color. Large shade tree.

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

Acer platanoides 'Pond', Emerald Lustre Norway Maple 50-60'

Zone 4

Some customers feel it may be hardier than Emerald Queen Maple. Upright spreading habit with green foliage and yellow fall color. Faster growing and nicer shaped container plants than Emerald Queen.

AEL	#7	
	#15	1.25"
	#15	1.5"
	#25	1.75"
	#25	2"
	#25	2.25"

Acer plantanoides '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	#7	
	#15	1.25"
	#15	1.5"

Acer platanoides 'Royal Red', Royal Red Norway Maple 40-50'

Zone 4

Purported hardier than Crimson King Norway Maple. Foliage is a rich maroon 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"
	#25	2"
	B&B	2.25"
	B&B	2.5"

Acer pseudosieboldianum, Korean Maple 10-15'

Zone 4

A hardy substitute for *Acer palmatum* varieties. Palmate green leaf, attractive fall color and unique multi-stem character make for an interesting accent plant. Not for hot, dry, full sun situations, but rather a more sheltered planting site. Grown as a multi-stem.

AK3	#7	
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At Glacier Nursery, Inc., 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 abundant watering after the first killing frost.

5 - 24 25 - 49 50+ 1 - 4

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"

Acer rubrum 'Bailcraig', Scarlet Jewel Maple 50-70' Zone 3

Robust growing upright Maple with orange-red fall color that has performed well regarding hardiness and fall color. More robust grower than Northwood Maple with more muted red fall colors. Large shade tree.

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

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"
	#20	1.75"
	#25	2"
	B&B	2"
	B&B	2.25"
B&B	2.5"	

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"
	#15	1.5"

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"

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

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

Selection of Sugar Maple that does well in Montana, better than Fall Fiesta Sugar Maple. 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"
	#15	1.5"
	#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	
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"

Trees with Good Fall Color

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

5 - 24 25 - 49 50+ 1 - 4

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

Similar to species, but the samaras turn scarlet-red in midsummer providing an interesting contrast against the green background of leaves. More uniform growth habit than species but not as vigorous. Plant Select 2007. Excellent small tree for planting beneath utility wires.

AHW	#7	
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"
	#25	2.25"

AH3	multi-stem #5	
	multi-stem #7	
	multi-stem #15	4'
	multi-stem #15	6'

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 dieback from winter.

AJF	#5	
	#7	1" min
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"
	B&B	1.75"
	B&B	2"
	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"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"
	B&B	2.5"

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 macrophylla* 'Limelight'; *Maackia amurensis*; *Malus* species; *Physocarpus opulifolius* 'Diabolo'; *Prunus* species; *Pyrus ussuriensis* 'Baillfrost'; *Sorbus decora*; *Syringa* species; and *Viburnum lentago*.

NEW! *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 color if leaves do not get frozen first.

APS #15 1.25"
 #25 2"

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

NEW! *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 #20 1.5"
 #20 1.75"

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

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"
AB3 multi-stem #7 ~3'
 multi-stem #15 4'
 multi-stem #15 6'
 multi-stem #25 8'

Betula occidentalis (Betula fontinalis), Western River or Water 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
 multi-stem #15 4'
 multi-stem #15 6'

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"
	#25	2"
BP3	multi-stem #5	
	multi-stem #7	
	multi-stem #15	8'
	multi-stem #15	10'
	multi-stem #25	12'
	multi-stem #25	14'

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"
	#15	1.5"

Betula platyphylla 'Fargo', Dakota Pinnacle Asian White Birch 25-30'

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'

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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Betula x 'Royal Frost', Royal Frost Birch 30-40'

Zone 4

Burgundy-red foliage throughout the growing season distinguishes this Birch selection. White bark, Bronze Birch Borer resistance and a pyramidal habit add to the attributes of this medium sized tree.

BR1	#7	
BR3	multi-stem #7	

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" 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.

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

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 #10
 #15 1.25"
 #15 1.5"
 #15 1.75"
 B&B 2"

Cladrastis kentuckia, American Yellowwood 30-40'

Zone 4

Named after the yellow color of the heartwood, this Eastern U.S. native features 8-14" clusters of creamy white pea-like flowers in the spring. Light brown seed pods form in the fall. Bark turns gray as the tree matures. Tolerant of acid soils and grows well where there is a high pH. Warrants trial in Western Montana.

CKT #10

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 1.75"

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"

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"
 #15 1.5"

For B&B ball specifications and planting tips see page 39.

5 - 24 25 - 49 50+ 1 - 4

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	#5	
	#7	
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

Fraxinus pennsylvanica 'Rugby', Prairie Spire Ash 50-60' Zone 3

An upright selection from North Dakota State University that serves as a hardy substitute for Summit Ash.

FPS	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"

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	
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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"

Gleditsia triacanthos 'Imcole', Imperial Honeylocust 30-35' Zone 4

Compact and rounded in habit. Seedless. Yellow fall color.

GIM	B&B	1.75"
	B&B	2"
	B&B	2.25"

Gleditsia triacanthos 'Shademaster', Shademaster Honeylocust 40-45' Zone 4

Vase-shaped habit. Seedless. Yellow fall color. Finer branching than Skycole allows more sunlight to reach the ground.

GSH	B&B	2.25"
	B&B	2.5"

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	#15	1.25"
	#15	1.5"
	B&B	1.75"

Hydrangea macrophylla 'Limelight', Limelight Hydrangea Single-Stem 6-8'

Zone 3

Small tree form Hydrangea with lime-green late summer flowers. Use as an accent plant.

HL1	#7
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Liriodendron tulipifera, Tuliptree 50-75'

Zone 4/5

Large shade tree suitable to the "Banana Belt" of Montana (Missoula, Libby and Plains).

LTT	#10
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Maackia amurensis 'JFS-Schichtel1', MaackNificent 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
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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"

At Glacier Nursery, Inc., 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 abundant watering after the first killing frost.

Crabapples

Crabapple Flower Colors (Leaf Color)

<u>White</u>	<u>Red</u>	<u>Pink</u>
Dolgo (<i>green</i>)	Perfect Purple (<i>purple-bronze</i>)	Coralburst (<i>green</i>)
Marilee (<i>green</i>)	Prairifire (<i>maroon to green</i>)	Emerald Spire (<i>bronze</i>)
Red Jade (<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>dark green</i>)
Sparkling Sprite (<i>bright green</i>)	Selkirk (<i>bronze</i>)	Radiant (<i>bronze turning green</i>)
		Red Splendor (<i>deep green to maroon</i>)
		Rejoice (<i>dark green</i>)
		Thunderchild (<i>deep purple</i>)

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 lollipop and adds a very distinctive look a small landscape.

MCB

#7

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 x adstringens '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"

Malus 'Emerald Spire', Emerald Spire® Crabapple 15'

Zone 2

Very narrow (6' wide), green bronze foliage that is scab resistant. Pink flowering.

MES

#15 1.25"
 #15 1.5"

<u>Malus 'Jarmin', Marilee® Crabapple</u> 18-24'				Zone 4
Narrow grower (8-10' wide) with white flowers and green foliage. Virtually fruitless.				
MJM		#7		
<u>Malus 'JFS-KW5', Royal Raindrops® Crabapple</u> 15-20'				Zone 4
Upright spreading with cutleaf purple foliage, pink-red flower and small red fruit.				
MRR		#7		
NEW! <u>Malus 'Louisa', Louisa Crabapple</u> 10-12'				Zone 4
Weeping crabapple with dark green glossy foliage. Pink flowers produce a yellow fruit. Disease resistant.				
MLC		#7		
<u>Malus 'Perfect Purple', Perfect Purple Crabapple</u> 15-20'				Zone 4
Fast growing round habit with purple-bronze foliage, rose-red flowers and maroon fruit.				
MPP		#15	1.25"	
		#15	1.5"	
		#25	1.75"	
		#25	2"	
<u>Malus 'Prairifire', Prairifire Crabapple</u> 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		#5		
		#7		
		#15	1.25"	
		#15	1.5"	
		#25	1.75"	
		#25	2"	
		B&B	1.75"	
		B&B	2"	
<u>Malus 'Radiant', Radiant Crabapple</u> 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"	
		#15	1.5"	
		#25	1.75"	
		#25	2"	
		#25	2.25"	
		B&B	2.25"	
		B&B	2.5"	

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.

5 - 24 25 - 49 50+ 1 - 4

Malus 'Red Jade', Red Jade Weeping Crabapple 10-12' Zone 4

Hardy, green leafed, white flowered, red fruited, weeping Crabapple. Attractive accent plant.

MRJ	#7	
	#15	1.25"
	#15	1.5"

Malus '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"
	#25	2"

Malus '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"
	#15	1.5"

Malus '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"
	#25	2"
	#25	2.25"

NEW! **Malus 'JFS-KW207', Sparkling Sprite® Crabapple** 12-15' Zone 4

Compact dwarf crabapple with a dense, round habit. Pink buds open to white flowers. Bright green foliage and abundant yellow to golden orange fruit that persists into winter.

MSR	#7	
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Malus 'Selkirk', Selkirk Crabapple 25-30' Zone 2

A large open growing tree with large rose-red flowers blanketing the entire tree. Bronze foliage and 3/4" diameter glossy red fruit. Best suited for large areas in the landscape.

MSL	#25	1.75"
	#25	2"

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

Malus '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"
	B&B	2.25"
	B&B	2.5"
MS3	multi-stem #7	
	multi-stem #15	6'

Malus 'Thunderchild', Thunderchild Crabapple 15-20'

Zone 3

Deep purple foliage, not shiny like *Malus 'Royalty'*. Dense upright habit, slow growing. Pink flowers show before foliage in the spring, minimal fruit thereafter. Resistant to fire blight. Scab is a problem in a wet spring.

MTC	#15	1.25"
	#15	1.5"

Small Trees Less Than 25'

<i>Acer ginnala</i> 15-20'	<i>Malus 'Red Jade'</i> 10-12'
<i>Acer pseudosieboldianum</i> 10-15'	<i>Malus 'Rejzam'</i> 15-20'
<i>Acer tataricum</i> 15-25'	<i>Malus 'Red Splendor'</i> 15-20'
<i>Amelanchier selections</i> 20-25'	<i>Malus 'Royalty'</i> 12-15'
<i>Crataegus crusgalli</i> var. <i>inermis</i> 15-20'	<i>Malus 'Spring Snow'</i> 15-20'
<i>Crataegus x mordenensis 'Toba'</i> 15-20'	<i>Malus 'Sparkling Sprite'</i> 12-15'
<i>Hydrangea macrophylla 'Limelight'</i> 6-8'	<i>Malus 'Thunderchild'</i> 15-20'
<i>Maacki amurensis</i> 15-20'	<i>Physocarpus 'Diabolo'</i> (Tree Form) 8-10'
<i>Malus 'Coralcole'</i> 8-10'	<i>Prunus cerasifera 'Newport'</i> 15-20'
<i>Malus 'Durleo'</i> (Gladiator) 15-20'	<i>Prunus x cistena</i> 6-8'
<i>Malus 'Emerald Spire'</i> 15'	<i>Prunus nigra 'Princess Kay'</i> 15-20'
<i>Malus 'Louisa'</i> 10-12'	<i>Pyrus ussuriensis 'Baillfrost'</i> 15-25'
<i>Malus 'Perfect Purple'</i> 15-20'	<i>Sorbus decora</i> 20-25'
<i>Malus 'Prairifire'</i> 15-20'	<i>Syringa selections</i> 20-25'
<i>Malus 'Radiant'</i> 20-25'	<i>Viburnum lentago</i> 12-15'

Fruiting Apples

Require a pollinator for fruit production.

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.

***Malus* 'Chestnut', Standard Chestnut Fruiting Crabapple** Zone 3

MCH #7

***Malus* 'Goodland', Standard Goodland Fruiting Apple** Zone 3

MGD #5
#7 1" min
#15 1.25"
#15 1.5"

***Malus* 'Haralred', Standard Haralred Fruiting Apple** Zone 3

MHR #5
#7
#15 1.25"
#15 1.5"

***Malus* 'Haralred', Semi-Dwarf Haralred Fruiting Apple** Zone 4

MDR #7

***Malus* 'Haralson', Standard Haralson Fruiting Apple** Zone 3

MHA #5
#7 1" min
#15 1.25"
#15 1.5"

***Malus* 'Haralson', Semi-Dwarf Haralson Fruiting Apple** Zone 4

MDA #7

***Malus* 'Hazen', Std Hazen Fruit Apple** Zone 3

MHZ #5
#7 1" min
#15 1.25"
#15 1.5"

***Malus* '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	#5			
	#7			
	#15	1.25"		
	#15	1.5"		
<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> 'Whitney', Standard Whitney Fruiting Crabapple				Zone 3
MWT	#7			
<u>Malus</u> 'Yellow Transparent', Standard Yellow Transparent Fruiting Apple				Zone 4
MYT	#7			

Pollination of Apple Trees / Apple Color, Seasons and Uses

Use two varieties from the same or similar flowering times.

Early - Centennial, Chestnut, Hazen, Norland, State Fair, Whitney, Yellow Transparent

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

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

<u>Variety</u>	<u>Fruit Color</u>	<u>Flowers</u>	<u>Ripening</u>	<u>Uses</u>
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
Whitney – Std (Crabapple)	Red	Early	Summer	Eating
Yellow Transparent – Std	Yellow	Early	Summer	Baking

Ostrya virginiana, Ironwood 25-40'

Zone 3

Slow growing small tree. Oval to rounded habit. Worthy of trial in Western Montana.

OIW #10

Picea - Please see Evergreens page 80-82

Pinus - Please see Evergreens pages 83-85

Physocarpus opulifolius 'Monlo', Diabolo Ninebark Tree 8-10'

Zone 3

Tree form of popular red leafed shrub. Exfoliating bark adds to the interest of this unique small tree.

Multi-stem form in shrub section.

PD1 #7

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.

PAG #5
#7
#15 1.25"
#15 1.5"
#15 1.75"
#25 2"
#25 2.25"
#25 2.5"

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"
#15 1.75"
#25 2"
#25 2.25"
#25 2.5"

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

Populus nigra 'Afghanica', Theves Poplar 50-60'

Zone 2

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

PNT #7
#15 1.50"
#15 1.75"

5 - 24 25 - 49 50+ 1 - 4

Populus sargentii 'Jerominus', Jeronimus Sargent Poplar 60-80'

Zone 3

Large growing native Poplar. This is not a seedless selection.

PSI	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.50"

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"
	#20	1.75"
	#25	2"
	#25	2.25"

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	1.50"
	#20	1.75"
	#20	2"
	#25	2.25"
#25	2.5"	
PT3	multi-stem #5	
	multi-stem #7	
	multi-stem #15	8'
	multi-stem #15	10'
	multi-stem #25	12'
	multi-stem #25	14'

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.

Populus trichocarpa, Black Cottonwood 60-75'

Zone 2

Native Cottonwood. Not cottonless. Moisture tolerant, surviving in river beds. Large growing.

PTC	#5	
	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"

Populus x acuminata, 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	#5	
	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"

Populus x canadensis 'Robusta', 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"
	#20	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

Peach

Prunus x 'Contender', 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	#7
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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" 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.

Fruiting Cherries**Black Tartarian requires a pollinator.*****Prunus* 'Black Tartarian', Standard Black Tartarian Cherry (self-sterile) 15-25'** Zone 5

Fruit is bright purplish-black in color and very tender, juicy, and sweet. Habit is erect and vigorous. Requires a pollinator, but it is an excellent pollinator for other selections. Use Lapin as a pollinator.

PBK #7 1" min***Prunus* 'Eubank', 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***Prunus* 'Evans Bali', 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***Prunus* 'Lapin', 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***Prunus* 'Mesabi', Standard Mesabi Pie/Sweet Fruiting Cherry (self-fruitful) 10-14'** Zone 4A tree of pyramidal habit that is a self-pollinator. Fruit is similar to the *Prunus* 'Meteor'.**PME** #7 1" min***Prunus* 'Meteor', 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***Prunus* 'Montmorency', 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"
#15 1.5"
#15 1.75"

***Prunus* 'North Star', Standard North Star Pie Cherry (self-fruitful) 8-10'** Zone 4

A very productive dwarf plant. Produces a sour red pie cherry.

PNO #7

Pollination of Cherries – Black Tartarian requires Lapin as a pollinator. While, Eubank, Evans Bali, Lapins, Mesabi, Meteor, Montmorency and North Star are self-fruitful, they do not require pollinators. For ideal pollination plant two compatible varieties within 50 feet of one another.

Fruiting Plums

Use Toka as a pollinator for other varieties.

No pollinator required for Mount Royal.

***Prunus* 'Compass', 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

***Prunus* 'Mount Royal', 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"
#15 1.5"

***Prunus* 'Pembina', 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

***Prunus* 'Pipestone', 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 #5
#7

***Prunus* 'Toka', Standard Toka Fruiting Plum (self-sterile) 15-20'** Zone 4

Good pollinator, apricot colored fruit. Clingstone. Vigorous grower.

PTK #5
#7

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

Large red fruit. Clingstone. Old, reliable selection.

PWN #5
#7

***Prunus cerasifera* 'Newport', Newport Plum 15-20'** Zone 4

Ornamental Plum with reddish-purple foliage. Pale pink to white flowers produce dull purple fruit. Rounded form.

PCN #7

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 page 39.

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"
	#25	2"
	#25	2.25"

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 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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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"
	#15	1.5"

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'

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" 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.

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'
	multi-stem #25	12'

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
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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
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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"
	#15	1.75"

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"
	#15	1.75"

Pollination of Pears – Use two varieties.

5 - 24 25 - 49 50+ 1 - 4

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"
	#15	1.5"
	#15	1.75"

Ornamental Pear**NEW! Pyrus calleryana 'Chanticleer', Chanticleer® Flowering Pear** 30-55' 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	2"
	B&B	2.25"

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"
	#15	1.5"

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	1" min
	#15	1.25"
	#15	1.5"
	#20	1.75"
	#25	2"
	#25	2.25"
	B&B	2.50"

Quercus robur x bicolor '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. Warrants trial in harsher locations in Montana to determine if it is suitable for wider use.

QRP	#10	
	B&B	2.25"

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 page 39.

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"
	#15	1.75"
	#25	2"
	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.

RPR	#7
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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"
	#15	1.75"

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"
	#25	2"

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"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

SA3	multi-stem #7
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Trees planted in irrigated turf benefit from allowing the turf to dry in September, then water the trees heavy before the ground freezes. This allows the trees to harden off for winter.

Sorbus decora, Showy Mountain Ash 20-25'

Zone 2

Native, 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"
	#25	2"
SD3	multi-stem #7	

Sorbus hybrida, Oak Leaf Mountain Ash (formerly Sorbus quercifolia) 25-30'

Zone 3

An attractive small Mountain Ash with white flowers, orange fruit and orange-yellow fall color. Leaf shaped like an English Oak and a very pubescent underside of the leaf make this a very attractive plant. Sufficiently hardy for most of Montana and reportedly fire blight resistant.

SQU	#7	
	#15	1.25"
	#15	1.5"
	#15	1.75"
	#25	2"
	#25	2.25"
SQ3	multi-stem #15	8'
	multi-stem #15	10'

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
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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
------------	----

Mountain Ash should not be over watered, planted on sites with poor drainage, or planted deep. Planting slightly above grade (3-6") is beneficial for those selections that are slow to enter dormancy in the fall. This 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 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 and a large specimen multi-stem shrub.

SR1	#15	1.25"
	#20	1.5"
	#25	1.75"
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"
	#20	1.75"
	B&B	1.5"
	B&B	1.75"
	B&B	2"
	B&B	2.25"

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 '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"

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 macrophylla* 'Limelight'; *Maacki amurensis*; *Malus* species; *Physocarpus opulifolius* 'Diabolo'; *Prunus* species; *Pyrus ussuriensis* 'Baifrost'; *Sorbus decora*; *Syringa* species; and *Viburnum lentago*.

5 - 24 25 - 49 50+ 1 - 4

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

Tilia cordata 'Greenspire', Greenspire Littleleaf Linden 40-50'

Zone 3

Selection is a very uniform grower with smaller leaves than Redmond Linden 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"
	#20	1.75"
	#25	2"
	#25	2.25"
	B&B	2.25"
	B&B	2.5"

Tilia cordata 'Morden', Morden Littleleaf Linden 30-40'

Zone 3

Hardy, with a more rounded habit than Greenspire.

TMR	#15	1.25"
	#15	1.5"

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"
	#15	1.50"
	#15	1.75"
	#25	2"
	#25	2.25"
	#25	2.5"

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

***Tilia x flavescens* 'Dropmore', Dropmore Linden 30-40'**

Zone 2

Hardy. Vigorous growing. Similar to Redmond Linden, but even more coarse and larger leaves.

TFD	#15	1.25"
	#15	1.5"
	#15	1.75"

***Tilia x flavescens* 'Glenleven', Glenleven Linden 40-50'**

Zone 3/4

Pyramidal habit with a leaf slightly larger than Greenspire Linden.

TFG	#15	1.25"
	#15	1.5"
	#15	1.75"

***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"

***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	1.50"
	#15	1.75"
	#25	2"
	#25	2.25"

***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. Proving to be one of our better performing Elms, but slow growing.

UMT	#7	
	#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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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
2.50"	8'	32"	550
3"	9'	32-36"	680
3.50"	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.

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" 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 no more than 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.

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 soil 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, none are single-stem. Single-stem forms are listed in the tree section.

The individual price per plant is based upon the number ordered and delivered at one time to the same location. Price breaks are offered on select items for quantities of 5, 25 and 50 plus. The items ordered and delivered must be of the same species, same container size and same plant size to receive the quantity pricing. Quantity column headings at the top of each page help price plants accordingly. 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.
- 2 to 3' shrubs are in #5 containers, 10" and 12" diameter, 11" and 10" in depth; weighing ~ 25 pounds.
- 4' shrubs are in #7 containers (unless noted smaller), 14" in diameter, 11" in depth; weighing ~ 40 pounds.
- 6' shrubs are in #15 containers, 17" in diameter, 15" in depth; weighing ~ 100 pounds.
- 8' and up shrubs are in #25 containers, 23" in diameter, 18" in depth; weighing ~ 200 pounds.

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, Inc., 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, Inc., feel free to ask, as we are more than willing to share that information with you.

	5 - 24	25 - 49	50+	1 - 4
<i>Acer ginnala</i>, Amur Maple 15-20'				Zone 3
Excellent fall color that ranges from yellow-orange to red or maroon. Irregular habit. Good for naturalizing. Use as a large growing specimen or as a screen in the shrub border. (Single-stem form in tree section.)				
AG3	#1			
	#2			
	#5			
	#7			
	#15	4'		
	#15	6'		
	#25	8'		
	#25	10'		

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

AGC #5

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.

AR3 #1
#5
#7

Acer tataricum 'GarAnn', Hot Wings Tatarian Maple 15-20'

Zone 3

Similar to the Tatarian Maple, but the samaras turn scarlet-red in midsummer, providing an interesting contrast against the green background of leaves. More uniform growth habit than species, but not as vigorous. Plant Select 2007. (Single-stem form in tree section.)

AH3 #5
#7
#15 4'
#15 6'

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'

All shrubs listed in this section have multiple stems.

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 texture and interesting branching habit. Spreading or rounded habit in youth. (Single-stem form in tree section.)

AB3	#7	~3'
	#15	4'
	#15	6'
	#25	8'

Amorpha canescens, Leadplant 3-4' Zone 4
Good drought and shade tolerance make this native useful for revegetation, as well as an ornamental. Attractive purple flowers appear in late July/August.

ACS	#1
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Amorpha nana, Dwarf False Indigo 1-2' Zone 4
Half-size version of *Amorpha canescens*. More a Midwest plains native inhabiting prairie areas and dying back to the ground each season.

ANA	#1
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Arctostaphylos uva-ursi 'Massachusetts', Massachusetts Kinnikinick - See Perennials page 91.

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

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
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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

NEW! 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
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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 'Bailsel', Golden Carousel Barberry 4-5' Zone 4

Hybrid between Golden Japanese Barberry and Korean Barberry producing golden yellow leaves. Upright grower that will hold its color best in light shade.

BBL #2
#5

Berberis 'Tara', Emerald Carousel Barberry 4-5' Zone 4

Cross between Japanese Green and Korean Barberry. Attractive yellow flowers. Selected for deep red fall color.

BEC #2
#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 'Bailtwo', Burgundy Carousel Barberry 3' Zone 4

Upright habit with slightly drooping deep burgundy-purple foliage. Retains a deep purple color all season, even in intense sunlight. Good hedge or accent plant. Excellent substitute for the Japanese Red Leaf Barberry.

BBC #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 about the same size.

BCC #1
#2
#5

Berberis thunbergii 'Crimson Pygmy', Crimson Pygmy Barberry 2' 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

NEW!	<u>Berberis thunbergii</u> '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		
	<u>Berberis thunbergii</u> 'Helmond Pillar', Helmond Pillar Japanese Barberry	4-5'	Zone 4
	Stiffly upright growing Barberry with red-purple foliage.		
BHP	#2		
	<u>Berberis thunbergii</u> 'Lustre Green', Lustre Green Barberry	3-4'	Zone 4
	Green summer foliage turning to vibrant orange-red in the fall. Vase-shaped.		
BLG	#2		
		#5	
	<u>Berberis thunbergii</u> '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	
	<u>Berberis thunbergii atropurpurea</u> 'Moretti Select', Cabernet Barberry	2-3'	Zone 4
	First Editions selection from Bailey Nursery. Similar to Crimson Pygmy Barberry.		
BCB	#5		
	<u>Berberis thunbergii</u> '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	#1		
		#2	
		#5	
	<u>Berberis thunbergii</u> 'Rose Glow', Rose Glow Barberry	3'	Zone 4
	Dense, rounded habit with rose-red foliage mottled with green and cream colors.		
BRG	#1		
		#2	
		#5	
	<u>Buxus</u> '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		
		#5	
	<u>Buxus microphylla</u> 'Wintergreen', Wintergreen Littleleaf Boxwood	2'h, 2-3' spread	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, 2-3' spread 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 93.**Cercoarpus 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

Chamaebatiaria millefolium, Fernbush 2-4' Zone 5

Southwest native. Fine leaf textured and drought tolerant plant that may die back to the ground during winter, but re-grows quickly. Plant Select 2006.

CML #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								

Chrysothamnus nauseosus nauseosus, Dwarf Blue Rabbitbrush 1-4' Zone 3

Native semi-evergreen shrub that is very drought tolerant. Small gray-green foliage. Clustered yellow flowers in late summer. Slow growing. Shortest of the Rabbitbrush we offer. Plant Select 2011.

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

Cornus alba 'Bailhalo', Ivory Halo Dogwood 5-6' Zone 3Similar 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 Twigged Dogwood 8-10' Zone 3Large 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'							

5 - 24	25 - 49	50+	1 - 4
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Cornus sericea 'Alleman's Compact', Alleman's Compact Dogwood 4-6' 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 bailey*. 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 Twigged 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
#7 ~3'

Cornus stolonifera 'Farrow', Arctic Fire Dogwood 3-4' Zone 3

A compact selection of Red Twigged Dogwood. Upright habit and less prone to sucker in the landscape.

CFI #2

Midsummer planting of *Cornus* (Dogwood), *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.

Corylus avellana 'Contorta', Harry Lauder's Walkingstick 6-8' Zone 5

Contorted growth that creates a unique appearance for this small specimen in the landscape. Lacks sufficient hardiness for most of Montana.

CCT #5

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 #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
#5

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'

Crataegus ambigua, Russian Hawthorn 15-20' Zone 3

Small tree or large shrub with irregular habit. Tolerant of poor soils. Red 1/2" fruit in late summer are borne in abundance. Not thornless.

CAB #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

	5 - 24	25 - 49	50+	1 - 4
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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

Fallugia paradoxa, Apache Plume 3-5' Zone 3/4

Southwest native shrub suitable for dry locations. White flowers produced throughout summer months, followed by silver seed heads make this small leaved, fine textured plant, an interesting landscape addition. Plant Select 2002.

FPD #1

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, Inc., and warrants wider use in Montana.

FGD #2

Genista tinctoria 'Royal Gold', Royal Gold Woadwaxen 2' Zone 4

A xeriscape plant (low water requirements). Yellow flowers in an auxiliary raceme (spike like) appear in July.

GRG #2

Holodiscus discolor, Oceanspray 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

All shrubs listed in this section have multiple stems.

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 #2
#5

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

Hydrangea paniculata 'Grandiflora', PeeGee Hydrangea 8-10' Zone 4

Very large showy white flower in July/August. Use in the shrub border. Flowers are impressive at a time when few woody plants are flowering.

HPG #2

Hydrangea paniculata 'Limelight', Limelight Hydrangea 6-8' Zone 3

Shrub form with large lime-green late summer flowers. (Tree form in tree section).

HL3 #2

Hydrangea paniculata 'Renhy', First Editions® Vanilla Strawberry Hydranga 5-6' Zone 4

Another Hydrangea selection, this one noted for its long lasting, large white flower heads that eventually turn strawberry-red in color.

HVS #2

Ligustrum vulgare 'Cheyenne', Cheyenne Privet 6-8' Zone 4

Large upright hedge. Rapid growing with multiple canes. Very dense in summer and winter. Toxic foliage and berries.

LVC #2

NEW! Ligustrum vulgare 'Swift', First Editions® Straight Talk™ Privet 10-12' Zone 4

Tightly upright substitute for 'Sky Pencil' holly in colder climates. Use as a vertical accent or group for hedging. Cold hardy and drought tolerant.

LST #2

- Lonicera involucrata, 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
- Lonicera tatarica '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
#5
- Magnolia kobus var. stellata 'Royal Star', Royal Star Magnolia 8-10'** Zone 4
A hardy Japanese Magnolia with a smaller habit than the Merrill Magnolia. 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
- Mahonia aquifolium, 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 104.**
- NEW! Philadelphus coronarius 'Aureus', Golden Mockorange 2-3'** Zone 4
Compact shrub with golden yellow leaves in the spring that turn yellow-green in summer. Good accent plant for the foundation planting or shrub border.
- PAM #2
- Philadelphus lewisii, Lewis Mockorange 6-8'** Zone 3
Native Mockorange use for naturalization. Shade tolerant.
- PLW #1
#2
#5
- Philadelphus lewisii '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
- Philadelphus lewisii 'Cheyenne', Cheyenne Mockorange 6-8'** Zone 3
A selection of the native Mockorange with up to 1¼" white flowers. Shade tolerant. Plant Select 2001.
- PCY #1
#5
- Philadelphus microphyllus, Littleleaf Mockorange 3-4'** Zone 3
Small leafed native Mockorange that provides a fine texture in the landscape. Slow growing, rounded habit.
- PMC #1

Philadelphus 'Snowbelle', Snowbelle Mockorange 3-4' Zone 3

Canadian selection with small dense leaves and fragrant white flowers. Upright and rounded growing habit. Use in the shrub border or massed.

PSB #2

Philadelphus x virginialis 'Minnesota Snowflake', Minnesota Snowflake Mockorange 6-8' Zone 4

Hardest of the Mockoranges, having large, double white flowers 2" across that are very fragrant. Use in the shrub border or massed.

PMN #2
#5

Physocarpus monogynus, 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

Physocarpus opulifolius '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 Ninebarks.

PDG #2
#5

Physocarpos 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.

POL #1
#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. (Single-stem form in tree section.)

POD #1
#2
#5
#7
#15

At Glacier Nursery, Inc., 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 abundant watering after the first killing frost. *Berberis*, *Physocarpus* and *Rosa* especially benefit from this treatment.

5 - 24	25 - 49	50+	1 - 4
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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

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

Potentilla fruticosa, Native Yellow Potentilla 2-3' Zone 2

Irregular native Potentilla from which numerous selections have been made.

PFR #1
#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 'Gold Drop', Gold Drop Potentilla 2' Zone 3

One of the shorter growing, smaller leaved 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 #1
#2
#5

Potentilla fruticosa 'Jackmanii', Jackman Potentilla 3-4'

Zone 2

Large upright growing with deep yellow flowers. Largest leaf of the Potentilla with pubescent foliage. 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 'Bailmering', First Editions® Lemon Meringue™ Potentilla 2-3'

Zone 2

Light, double yellow flowers with a compact habit.

PLM #2

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

Midsummer planting of *Cornus* (Dogwood), *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.

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

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 glandulosa 'Rosea Plena', Pink Flowering Almond 5-6' Zone 5

Abundant 1" double pink flowers in the early spring. May suffer from winter injury.

PGR #2

Prunus tenella, Dwarf Russian Almond 2-5' Zone 3

Similar 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 triloba, Double Flowering Plum 6-10' Zone 5

Attractive 1" double pink flowers before foliage make this a showy spring plant. May suffer from winter injury. Own root, so it frequently recovers from winter dieback.

PTR #2

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.

Prunus virginiana, Common Chokecherry 20-30'

Zone 2

Native green leafed shrub that will sucker. Allow plenty of room for this plant to spread. (Single-stem form in tree section.)

PG3	#1	
	#2	
	#5	
	#7	~4'
	#15	4'
	#15	6'
	#25	8'

Prunus virginiana, 'Canada Red', Canada Red Chokecherry 20-30'

Zone 2

Foliage emerges green and later changes to deep purple. Large growing shrub. Use as an accent plant or in the shrub border. Extremely hardy shrub form of the very popular tree. (Single-stem form in tree section.)

PR3	#1	
	#2	
	#5	
	#7	~4'
	#15	6'
	#15	8'
	#25	10'
	#25	12'

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

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 'Golden Lights', Golden Lights Azalea 4-5'

Zone 4

Displays beautiful golden flowers in late spring. Very hardy. Deciduous.

RLG	#2
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Rhododendron 'Lemon Lights', Lemon Lights Azalea 4-5'

Zone 4

A hardy variety of Azalea with yellow flowers in late spring. Deciduous.

RLL	#2
------------	----

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

5 - 24 25 - 49 50+ 1 - 4

<u>Rhododendron</u> '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	
<u>Rhododendron</u> 'Mandarin Lights', Mandarin Lights Azalea 4-5'		Zone 4
Brilliant bright mandarin-orange flowers in early spring. Deciduous.		
RML	#2	
<u>Rhododendron</u> 'Northern Hi-lights', Northern Hi-lights Azalea 4-5'		Zone 4
Cream colored flowers and burgundy fall color. Deciduous. Fragrant.		
RNH	#2	
<u>Rhododendron</u> 'Northern Lights', Northern Lights Azalea 4-5'		Zone 4
Light pink flowering hardy Azalea. Deciduous.		
RNL	#2	
<u>Rhododendron</u> '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	
<u>Rhododendron</u> 'Rosy Lights', Rosy Lights Azalea 4-5'		Zone 4
Dark rosy-pink flowers late in May and early June. Deciduous.		
RRL	#2	
<u>Rhus aromatica</u> '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	#1	
	#2	
	#5	
<u>Rhus glabra</u>, 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	
<u>Rhus trilobata</u>, Three Leafed Sumac 3-6'		Zone 4
Native, drought tolerant, low growing shrub that forms a dense thicket.		
RTR	#1	
	#2	
	#5	
	#7	

***Rhus trilobata* 'Autumn Amber', Autumn Amber Three-Leaf Sumac 18"** Zone 3

Spreading ground cover form of species with glossy green foliage. Similar to *Rhus aromatica* 'Grow-low' in habit.

RAA #1
 #2

***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

***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

***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 #1
 #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 120-122

Roses

<u>Rosa</u> 'ZLEEltonStrack', First Editions® Above and Beyond™ Rose 6-8'	Zone 3
Hardy climber. Semi-double apricot flower. Ever flowering	
RAB	#2
<u>Rosa</u> 'Adelaide Hoodless', Adelaide Hoodless Shrub Rose 2-3'	Zone 3
Clusters of semi-double deep pink flowers from June until frost. Recurrent.	
RHL	#2
<u>Rosa</u> 'BAIrage', Easy Elegance® All the Rage Shrub Rose 2-4'	Zone 4
Semi-double apricot-yellow blend flowers with a round form habit. Ever flowering.	
RAG	#2
<u>Rosa</u> 'Bill Reid', Bill Reid Canadian Artist Shrub Rose 2-3'	Zone 3
Yellow flowering, hardy Canadian rose. Ever flowering.	
RBR	#2
<u>Rosa</u> 'RADsun', Carefree Sunshine Rose 3-4'	Zone 4
Ever flowering, single lemon-yellow Rose with glossy green leaves.	
RCS	#2
<u>Rosa</u> 'Champlain', Champlain Shrub Rose 3'	Zone 4
Double red flowers. Resembles Floribunda Rose in habit and flower. Ever flowering.	
RCH	#2
	#5
<u>Rosa</u> 'Cuthbert Grant', Cuthbert Grant Shrub Rose 3'	Zone 3
Double dark red flowers from June until fall. Recurrent.	
RCG	#2
<u>Rosa</u> 'Emily Carr', Emily Carr Canadian Artist Shrub Rose 3-4'	Zone 3
Red, hardy Canadian Rose. Ever flowering.	
REC	#2
<u>Rosa foetida</u> 'Bicolor', Austrian Copper Shrub Rose 6-8'	Zone 4
Single copper-red flowers with yellow undersides on petals. Budded. Non-recurrent.	
RAC	#2
<u>Rosa foetida</u> 'Persiana', Persian Yellow Shrub Rose 6-8'	Zone 4
Small, double yellow flowers. Non-recurrent.	
RPY	#2
<u>Rosa glauca</u>, Redleaf Shrub Rose 6'	Zone 3
Glaucous purple foliage, pink flowers. Native species. Non-recurrent. Plant Select 2010.	
RGC	#1
	#2
	#5

<u>Rosa</u> 'Hansa', Hansa Shrub Rose 3-5'				Zone 3
Rugosa type. Large double red flowers. Recurrent.				
RHA	#2			
	#5			
<u>Rosa</u> <u>harisonii</u>, Harison's Yellow Shrub Rose 6'				Zone 3
Double deep yellow flowers. Budded. Non-recurrent.				
RHY	#2			
<u>Rosa</u> 'Henry Kelsey', Henry Kelsey Shrub Rose 4-6'				Zone 3
Rugosa type. Salt tolerant. Extremely hardy, double medium red flowered climber. Recurrent.				
RKL	#2			
<u>Rosa</u> 'BAIage', Easy Elegance® High Voltage Rose 3-5'				Zone 4
Double yellow fragrant flowers. Upright vase-shaped habit. Recurrent.				
RHV	#2			
<u>Rosa</u> 'Hope for Humanity', Hope for Humanity Rose 2-4'				Zone 3
Double dark red Rose with good disease resistance. Ever flowering.				
RHU	#2			
<u>Rosa</u> 'J.P. Connell', J. P. Connell Shrub Rose 3-5'				Zone 3
Vigorous grower with double pale yellow flowers. Recurrent.				
RJP	#2			
<u>Rosa</u> 'John Cabot', John Cabot Rose 5-7'				Zone 3
Climbing rose with deep pink to light red flower color. Recurrent.				
RJC	#2			
<u>Rosa</u> 'BAImir', Easy Elegance® Kashmir Shrub Rose 2½-4'				Zone 4
Velvety deep red flower. Recurrent.				
RKM	#2			
<u>Rosa</u> '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			
<u>Rosa</u> 'BAIief', Easy Elegance® Little Mischief Rose 2-4'				Zone 4
Pink ever flowering Rose with glossy foliage. Compact growing.				
RLM	#2			
<u>Rosa</u> 'Morden Blush', Morden Blush Shrub Rose 2-3'				Zone 3
Ivory buds that fade to white flowers. Glossy green foliage. Recurrent.				
RMB	#2			
<u>Rosa</u> 'Morden Centennial', Morden Centennial Shrub Rose 3-5'				Zone 3
Pink flowers on old and new wood. Very disease resistant. Recurrent.				
RMC	#2			

5 - 24 25 - 49 50+ 1 - 4

<u>Rosa</u> 'Morden Fireglow', Morden Fireglow Shrub Rose 1½-3'	Zone 3
Parkland Rose with outstanding orange and red flower color. Low growing. Recurrent.	
RMN	#2
<u>Rosa</u> 'Morden Sunrise', Morden Sunrise Shrub Rose 2-3'	Zone 3
Flower starts orange and fades to yellow. Low growing. Ever flowering.	
RSR	#2
<u>Rosa</u> 'Nearly Wild', Nearly Wild Shrub Rose 2-3'	Zone 4
Attractive bushy plant with large single pink flowers. Ever flowering.	
RNW	#1
	#2
	#5
<u>Rosa</u> 'BAItown', Easy Elegance® Paint the Town Shrub Rose 2-3'	Zone 4
Double red flowers covering the plant. Ever flowering.	
RPT	#2
<u>Rosa rugosa</u>, Rugosa Shrub Rose 4-6'	Zone 2
Seedling grown Rose. Flowers vary from light pink to mauve. Very adaptable Rose. Recurrent.	
RRG	#2
	#5
<u>Rosa</u> '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
<u>Rosa</u> 'BAIset', Sunrise Sunset Rose 2-3'	Zone 4
Pink to apricot flowers make this a cheerful statement in the landscape. Ever flowering.	
RSS	#2
<u>Rosa</u> 'BAInce', Easy Elegance® Sweet Fragrance Shrub Rose 2-4'	Zone 5
Vigorous upright grower with apricot flowers fading to pink. Ever flowering.	
RSW	#2
<u>Rosa</u> 'Therese Bugnet', Therese Bugnet Shrub Rose 5-6'	Zone 3
Double pink flowering hybrid <i>Rosa rugosa</i> . Perhaps the hardiest rose for Montana. One of the tallest growing Roses we grow. Recurrent.	
RTB	#2
	#5
<u>Rosa</u> 'William Baffin', William Baffin Shrub Rose 6-8'	Zone 3
Hardy climber with deep pink flowers. Recurrent.	
RWB	#2
<u>Rosa</u> '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

Rosa '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'

Rose Flower Color and Cycle

Variety	Flower Color	Height	Zone	Flowering Cycle
Above & Beyond (climber)	Semi-double apricot	6-8'	3	Ever flowering
Adelaide Hoodless	Semi-double deep pink	2-3'	3	Recurrent
All the Rage	Semi-double apricot-yellow blends	2-4'	4	Ever flowering
Austrain Copper	Copper red-yellow Underside	6-8'	4	Non-recurrent
Bill Reid	Yellow	2-3'	3	Ever flowering
Carefree Sunshine	Yellow	3-4'	4	Ever flowering
Champlain	Double dark red	3'	4	Ever flowering
Cuthbert Grant	Double dark red	3'	3	Recurrent
Emily Carr	Red	3-4'	3	Ever flowering
Glauca (Red Leaf)	Pink	6'	4	Non-recurrent
Hansa	Double red	3-5'	3	Recurrent
Harison's Yellow	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
J.P. Connell	Double pale yellow	3-5'	3	Recurrent
John Cabot (climber)	Pink to light red	5-7'	3	Recurrent
Kashmir	Red	2½-4'	4	Recurrent
Knock Out	Red	3-4'	4/5	Ever flowering
Little Mischeif	Pink	2-4'	4	Ever flowering
Morden Blush	Light pink	2-3'	3	Recurrent
Morden Centennial	Double pink	3-5'	3	Recurrent
Morden Fireglow	Double orange-red	1½-3'	3	Recurrent
Morden Sunrise	Semi-dbl. orange-yellow blends	2-3'	3	Ever flowering
Nearly Wild	Pink	2-3'	4	Ever flowering
Paint the Town	Double medium red	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
Sunrise Sunset	Semi-double apricot-pink	2-3'	4	Ever flowering
Sweet Fragrance	Apricot	2-4'	5	Ever flowering
Therese Bugnet	Double pink	5-6'	3	Recurrent
William Baffin (climber)	Double deep pink	7-9'	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.

Rubus deliciosus, Thimbleberry 3-5' 5 - 24 25 - 49 50+ 1 - 4 Zone 3

Hardy native Raspberry, bearing a small dark purple fruit.

RDL #1
#5**Salix alba '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**Salix bebbiana, 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**Salix boothii, Booth's Willow 15-20'** Zone 4

Large growing wetland native.

SBO #1
#5**Salix discolor, 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**Salix drummondiana, Drummond Willow 6-12'** Zone 4

Yellow stemmed. Light green pubescent underside of leaf. Native. Use for naturalizing.

SDM #1
#5**Salix exigua, Coyote Willow 10-12'** Zone 3

Silver-gray narrow leaves. Hardy, large, fast growing native Willow. Native in flood plains.

SEG #1
#5**Salix geyeriana, Geyer Willow 10-15'** Zone 3

Native Western Willow that thrives in stream beds and wet locations. Use for naturalizing.

SGY #1
#5

Ribes (Gooseberry and Currant), Rubus (Raspberry), Vitis (Grape), Vaccinium (Blueberry) and all our small fruits are listed on pages 120-122

64 Shrubs

Salix 'Flame', Flame Willow 15-20'

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.

5 - 24

25 - 49

50+

1 - 4

Zone 3

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

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

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 canadensis 'Aurea', Golden Elder 8-10'

Zone 3

Fast growing, yellow leafed plant that tolerates wet sites. White flowers and red fruit. Use in shrub border or
as an accent plant.

SAU #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. Extremely durable and adaptable.

SBL #2

Sambucus pubens, Red Fruited Elderberry 8-10'

Zone 3

Green foliage and yellow-white flowers followed by red fruit. Widespread native.

SPB #1
#5

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'

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	#1	
	#2	
	#5	
	#7	~3'

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

Zone 2

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

Sorbaria sorbifolia, Ural Falsespirea 6-8'

Zone 3

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'

Spiraea betulifolia, White Spirea 2-4'

Zone 2

Native low growing deciduous shrub with small white flowers in the summer. Shade tolerant.

SBT	#1
------------	----

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

Midsummer planting of *Cornus* (Dogwood), *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.

66 Shrubs

Spiraea fritschiana, Fritschiana Spirea 2-3'

5 - 24, 25 - 49, 50+, 1 - 4 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

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 'Bailcarol', First Editions® Sundrop™ Spirea 12-15"

Zone 4

Hybrid between Goldmound and Daphne Spirea. Very dwarf rounded habit with golden-yellow foliage.

SSU #2

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
#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.

Spiraea nipponica 'Snowmound', Snowmound Spirea 3-5' ⁵⁻²⁴ ²⁵⁻⁴⁹ ⁵⁰⁺ ¹⁻⁴ 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 #1
#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.

STO #2

Spiraea trilobata 'Fairy Queen', Fairy Queen Spirea 3' Zone 4

Profusion of white flowers in May/June. Blue-green foliage and compact form make this a useful shrub for small areas. Similar to *Spiraea x vanhouttei* but smaller. Use as a facer or massing.

SFQ #2
#5

Spiraea x bumalda 'Anthony Waterer', Anthony Waterer Spirea 3-4' Zone 4

Flowers 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 3

Pink 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

Spiraea x bumalda 'Gumball', Gumball Spirea 2' Zone 3

Light 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

68 Shrubs

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.

5 - 24 25 - 49 50+ 1 - 4

- 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** #1
- #2
- #5

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 3

Similar to *Symphoricarpos albus* but smaller and slightly slower growing. A native to the West that will tolerate partial shade.

- SOC** #1
- #5

Syringa meyeri 'Palibin', Dwarf Korean 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. Good for massing or facer. Not as vigorous or as hardy as *Syringa patula 'Miss Kim'* in Montana.

- SMP** #2
- #5
- #7

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
- #7

At Glacier Nursery, Inc., 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 abundant watering after the first killing frost. *Berberis*, *Physocarpus* and *Rosa* especially benefit from this treatment.

Syringa patula 'Miss Kim', Miss Kim Lilac 4-6'

Shrubs Zone 3

Perhaps the very best of the dwarf Lilacs and a good four season plant. Fragrant pale Lilac flowers in spring,
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'
Japanese Tree Lilac	Creamy White	Single	Summer	20-25'
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'

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'.

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

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 2

White flowered version of *Syringa vulgaris*.

- SVA** #1
 #2
 #5

70 Shrubs

Syringa vulgaris 'Charles Joly', Charles Joly Lilac 6-12' ^{5 - 24} ^{25 - 49} ⁵⁰⁺ ^{1 - 4} Zone 3
 Double magenta flowers. Large growing. Best suited for shrub borders.

SCJ #2
 #5
 #7 ~3'

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
 #7 ~3'

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 #1
 #2
 #5
 #7 ~3'

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

SBA #2

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

SHP #2
 #5

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.

Syringa x prestoniae 'Donald Wyman', Donald Wyman Lilac 8-10' Zone 2

Coarse, upright growing late Lilac. Purplish lavender flowers appear later than with the *Syringa vulgaris*.
 5 - 24 25 - 49 50+ 1 - 4

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 2

One 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'

Viburnum dentatum, Arrowwood Viburnum 10-12' Zone 3

Large upright growing shrub with white flat topped flowers in June. Blue-black fruit and yellow-red fall color. Adaptable to wet soils. Clean light green summer foliage. Use in shrub border.

VDN	#5	
	#7	~4'
	#15	~5'

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	#1	
	#2	
	#5	
	#7	

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

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'
Chrysothamnus nauseosus 3-6'
Cornus alba 'Argenteo-marginata' 6-10'
Cornus baileyi 8-10'
Cornus sericea 'Isanti' 5-6'
Euonymus alatus 10-15'
Philadelphus x virginalis 'Minn. Snowflake' 6-8'
Physocarpus opulifolius 'Monlo' 8-10'
Prunus besseyi 5-6'
Rhus trilobata 3-6'
Sorbaria sorbifolia 6-8'
Spiraea x vanhouttei 5-7'
Spiraea nipponica 'Snowmound' 3-5'
Spiraea x bumalda 'Froebelii' 3-4'
Symphoricarpus albus 4-6'
Viburnum dentatum 10-12'
Viburnum opulus 'Roseum' 10-12'

Smaller Selection

Amelanchier alnifolia 'Regent' 4-6'
Aronia melanocarpa 'Low Scape' 1-2'
Cercocarpus montanus 4-8'
Chrysothamnus nauseosus 'nauseosus' 1-4'
Cornus alba 'Bailhalo' 5-6'
Cornus sericea 'Bailadeline' 3-4'
Cornus stolonifera 'Farrow' 3-4'
Euonymus alatus 'Compactus' 5-6'
Philadelphus x 'Snowbelle' 3-4'
Physocarpus opulifolius 'Seward' 5-6'
Prunus besseyi 'Pawnee Buttes' 1-2'
Rhus trilobata 'Autumn Amber' 18"
Sorbaria sorbifolia 'Sem' 3-4'
Spiraea trilobata 'Fairy Queen' 3'
Spiraea nipponica 'Halward's Silver' 2-3'
Spiraea x bumalda 'Gumball' 2'
Symphoricarpus occidentalis 2-3'
Viburnum dentatum 'Christom' 6-8'
Viburnum opulus 'Compactum' 5-6'

Dwarf Selections less than 3'

<i>Amorpha nana</i> 1-3'	<i>Potentilla</i> 'Goldfinger' 3'	<i>Rosa</i> 'Nearly Wild' 2-3'
<i>Aronia mel.</i> 'Low Scape' 1-2'	<i>Potentilla</i> 'Goldstar' 2'	<i>Rosa</i> 'Paint the Town' 2-3'
<i>Aronia mel.</i> 'Morton' 2-3'	<i>Potentilla</i> 'Katherine Dykes' 2-3'	<i>Rosa</i> 'Snow Pavement' 2-3'
<i>Berberis</i> 'Admiration' 12-18"	<i>Potentilla</i> 'Bailmering' 2-3'	<i>Rosa</i> 'Sunrise Sunset' 2-3'
<i>Berberis thun.</i> 'Bailtwo' 3'	<i>Potentilla</i> 'Mango Tango' 2'	<i>Rosa</i> 'Winnipeg Parks' 2-3'
<i>Berberis thun.</i> 'Concorde' 2'	<i>Potentilla</i> 'Pink Beauty' 2-3'	<i>Spiraea betulifolia</i> 'Tor' 2-3'
<i>Berberis thun.</i> 'Crimson Pygmy' 2'	<i>Potentilla</i> 'Tangerine' 2-3'	<i>Spiraea fritschiana</i> 2-3'
<i>Berberis thun.</i> 'Golden Nugget' 12"	<i>Potentilla</i> 'Yellow Gem' 1-2'	<i>Spiraea</i> 'Bailcarol' 12-15"
<i>Berberis thun. a.</i> 'Moretti Select' 2-3'	<i>Prunus besseyi</i> 'Pawnee Buttes' 1-2'	<i>Spiraea</i> 'Goldmound' 18-24"
<i>Berberis thun.</i> 'Rose Glow' 3'	<i>Rhus aromatica</i> 'Gro Low' 2-3'	<i>Spiraea j. alpina</i> 12-18"
<i>Buxus micro.</i> 'Wintergreen' 2-3'	<i>Rhus trilobata</i> 'Autumn Amber' 18"	<i>Spiraea j.</i> 'Little Princess' 24-30"
<i>Buxus x</i> 'Green Velvet' 2-3'	<i>Rosa</i> 'Adelaide Hoodless' 2-3'	<i>Spiraea j.</i> 'Magic Carpet' 18"
<i>Caragana frutex</i> 'Globosa' 2-3'	<i>Rosa</i> 'Bill Reid' 2-3'	<i>Spiraea</i> 'Bailcarol' 12-15"
<i>Chrysothamnus n. nauseosus</i> 1-4'	<i>Rosa</i> 'Champlain' 3'	<i>Spiraea nipp.</i> 'Halward's Silver' 2-3'
<i>Cotoneaster apiculatus</i> 2-3'	<i>Rosa</i> 'Cuthbert Grant' 3'	<i>Spiraea trilobata</i> 'Fairy Queen' 3'
<i>Daphne x b.</i> 'Carol Mackie' 2-3'	<i>Rosa</i> 'Morden Blush' 2-3'	<i>Spiraea x bum.</i> 'Goldflame' 2-3'
<i>Potentilla</i> 'Abbotswood' 2-3'	<i>Rosa</i> 'Morden Fireglow' 18-36"	<i>Spiraea x bum.</i> 'Gumball' 2'
<i>Potentilla</i> 'Gold Drop' 2'	<i>Rosa</i> 'Morden Sunrise' 2-3'	<i>Viburnum op.</i> 'Nanum' 2-3'

Native Species List

<i>Acer glabrum</i>	<i>Philadelphus lewisii</i>	<i>Rubus deliciosus</i>
<i>Alnus tenuifolia</i>	<i>Philadelphus microphyllus</i>	<i>Salix bebbiana</i>
<i>Amelanchier alnifolia</i>	<i>Physocarpus monogynus</i>	<i>Salix boothi</i>
<i>Amorpha canescens</i>	<i>Potentilla fruticosa</i>	<i>Salix drummondiana</i>
<i>Amorpha nana</i>	<i>Populus tremuloides</i>	<i>Salix exigua</i>
<i>Artemisia tridentata</i>	<i>Prunus besseyi</i>	<i>Salix geyeriana</i>
<i>Betula occidentalis</i>	<i>Prunus virginiana</i>	<i>Sambucus pubens</i>
<i>Cercocarpus selections</i>	<i>Quercus macrocarpa</i>	<i>Shepherdia argentea</i>
<i>Chamaebatiaria millefolium</i>	<i>Rhus glabra</i>	<i>Spiraea betulifolia</i>
<i>Chrysothamnus nauseosus selections</i>	<i>Rhus trilobata</i>	<i>Spiraea douglassii</i>
<i>Cornus sericea coloradensis</i>	<i>Rhus typhina</i>	<i>Symphoricarpos albus</i>
<i>Elaeagnus commutata</i>	<i>Ribes aureum</i>	<i>Symphoricarpos occidentalis</i>
<i>Lonicera involucrata</i>	<i>Ribes cereum</i>	<i>Viburnum dentatum</i>
<i>Mahonia repens</i>	<i>Rosa glauca</i>	<i>Viburnum lentago</i>
	<i>Rosa woodsii</i>	

Adapted Species 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>Potentilla fruticosa</i> 'Katherine Dykes'
<i>Amelanchier alnifolia</i> 'Regent'	<i>Prunus besseyi</i> 'Pawnee Buttes'
<i>Arctostaphylos uva-ursi</i> 'Massachusetts'	<i>Prunus tomentosa</i>
<i>Betula papyrifera</i>	<i>Rhus aromatica</i> 'Gro-low'
<i>Cornus baileyi</i>	<i>Rhus trilobata</i> 'Autumn Amber'
<i>Crataegus ambigua</i>	<i>Rosa</i> 'Nearly Wild'
<i>Elaeagnus commutata</i>	<i>Rosa rugosa</i>
<i>Fraxinus pennsylvanica</i> 'Patmore'	<i>Salix alba</i> 'Vitellina'
<i>Juniperus communis</i> 'Alpine Carpet'	<i>Salix</i> 'Flame'
<i>Perovskia atriplicifolia</i>	<i>Sorbaria sorbifolia</i>
<i>Philadelphus lewisii</i> 'Blizzard'	<i>Spiraea betulifolia</i> 'Tor'
<i>Philadelphus lewisii</i> 'Cheyenne'	<i>Viburnum lantana</i> 'Mohican'
<i>Physocarpus opulifolius</i> var. <i>nanus</i>	<i>Viburnum trilobum</i> 'Wentworth'

Shade Tolerant Shrubs

<i>Arctostaphylos uva-ursi</i>	<i>Physocarpus monogynus</i>
<i>Clethra alnifolia</i> 'Hummingbird'	<i>Rhododendron</i> species
<i>Cornus sericea</i> 'Bailey'	<i>Ribes alpinum</i>
<i>Fothergilla gardenii</i>	<i>Ribes alpinum</i> 'Green Mound'
<i>Hydrangea arborescens</i> 'Annabelle'	<i>Rubus deliciosus</i>
<i>Hydrandgea macrophylla</i> (selections)	<i>Sambucus pubens</i>
<i>Lonicera involucrata</i>	<i>Spiraea betulifolia</i>
<i>Mahonia</i> species	<i>Symphoricarpos</i> species
<i>Microbiota decussata</i>	<i>Taxus x media</i> 'Densiformis'
<i>Philadelphus lewisii</i> (selections)	<i>Viburnum lentago</i>
<i>Physocarpus opulifolius nanus</i>	

PLANT SELECT AND INTRODUCTION DATE

Trees and Shrubs

Acer tataricum 'GarAnn', Hot Wings Tatarian Maple 2007
Chamaebatiaria millefolium, Fernbush 2006
Chrysothamnus nauseosus nauseosus, Dwarf Blue Rabbitbrush 2011
Crataegus ambigua, Russian Hawthorn 2011
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
Penstemon x mexicali 'Pikes Peak', Pikes Peak Purple Penstemon 1999
Penstemon x mexicali 'Red Rocks', Red Rocks Penstemon 1999
Veronica liwanensis, Turkish Speedwell 1997
Zauschneria garrettii 'Orange Carpet', California Fuchsia 2001

EVERGREENS

Container evergreens are available throughout the season. The individual price per plant is based upon the number ordered and delivered at one time to the same location. Price breaks are offered on select items for quantities of 5, 25 and 50 plus. The item ordered and delivered must be of the same species, same container size and same plant size to receive the quantity pricing. Quantity column headings at the top of each page help price plants accordingly. **Container size is trade designation only.**

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

Please refer to page 87 for recommendation on planting balled and burlap Evergreens.

	5 - 24	25 - 49	50+	1 - 4
<p><u>Abies balsamea</u> 'Nana', Dwarf Balsam Fir 2'h, 2-3' spread Zone 3</p> <p>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.</p> <p>ABN #2</p>				
<p><u>Abies concolor</u>, Concolor Fir 25-40'h, 20-25' spread Zone 4</p> <p>Soft bluish needles and pyramidal habit make this a standout in the landscape. Plant in a protected environment.</p> <p>ACC B&B 6'</p> <p style="margin-left: 100px;">B&B 8'</p>				
<p><u>Abies lasiocarpa</u>, Alpine Fir 30-50'h, 15-20' spread Zone 4</p> <p>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.</p> <p>ALS B&B 4'</p> <p style="margin-left: 100px;">B&B 5'</p> <p style="margin-left: 100px;">B&B 6'</p> <p style="margin-left: 100px;">B&B 7'</p> <p style="margin-left: 100px;">B&B 8'</p>				
<p><u>Juniperus chinensis</u> 'Monlep', Mint Julep® Juniper 4-6'h, 6-8' spread Zone 3</p> <p>Mint-green foliage on fountain-like arching branches. A compact Pfitzer type Juniper. Use as a low shrub.</p> <p>JSG #1</p> <p style="margin-left: 100px;">#2</p> <p style="margin-left: 100px;">#5</p> <p>JMP Pompon #5</p>				

Most containerized evergreens for April shipments are overwintered in unheated hoop houses covered with white plastic. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine and Arborvitae.

5 - 24 25 - 49 50+ 1 - 4

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 species and Alpine Carpet. Very low growing.

JCM #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 #1
#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 #1
#2
#5

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 #2
#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 '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 sabina var. tamariscifolia, Tamarix Juniper 18-30"h, 6-10' spread Zone 4
Green foliage. Low spreading. Mounded form.

JST #2

Juniperus scopulorum, Rocky Mountain Juniper 30-40'h, 5-10' spread Zone 3
Native narrow pyramidal tree. Tolerant of dry conditions. Variations in foliage color from dark green to blue-green.

JSO #5

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

JSC #5
#7
#10

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
#10
#15

- 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’ Zone 3
 Tough and adaptable with green needles and a fast rate of growth.
PAS #5
- 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 abies ‘Pumila’, Dwarf Norway Spruce** 4-5’h, 8-10’ spread Zone 3
 Spreading habit of dense branches with blue-green needles.
PDN #2
 #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
 #5
 #10
 B&B 5’
 B&B 6’
 B&B 7’
 B&B 8’
- 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
 #10

5 - 24

25 - 49

50+

1 - 4

***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	
	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 omorika*, Serbian Spruce** 45-60'h, 20-25' spread Zone 4

Narrow growing Spruce from Eastern Europe that has a silver appearance due to a shiny green surface and two white bands on the underside of the needle. Soft needles resemble *Abies*.

POM	B&B	6'
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***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.

PPG	#1	
	#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'

***Picea pungens glauca '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.

PAB	#5	
	#10	
	#20	
	B&B	5'
	B&B	6'
	B&B	7'
	B&B	8'

Picea pungens '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

Picea pungens '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
#10
#20
B&B 5'
B&B 6'

Picea pungens 'Montgomery', Montgomery Spruce 8-12'h Zone 3
A dwarf Spruce with silver-blue needles grafted on 30" standard.

PMD Standard #5

Picea pungens 'Pendula', Weeping Colorado Blue Spruce 4-20'h, 5-15' spread Zone 3
Blue needles and weeping contorted habit distinguish this selection from *Picea abies 'Pendula'*. More of an accent plant than weeping Norway or White Spruce because of its blue color.

PPP #5
#10

Picea pungens '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

Picea pungens '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

Picea pungens '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, #6 sold as a #5).

PBR #2

Selections of plants grafted on top of a single stem are referred to as **standards**. The height at which the graft was placed is noted (24" or 30"). This process allows for clearance between the ground and the plant, enabling the selection on top of the standard to be more of a focal point.

5 - 24 25 - 49 50+ 1 - 4

***Pinus aristata*, 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'

***Pinus contorta* var. *latifolia*, Lodgepole Pine 60-80'h, 15-20' spread Zone 4**

Native Pine growing tall and thin.

PCL	#1	
	#5	
	B&B	6'

***Pinus flexilis* '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	6'
	B&B	8'

***Pinus mugo* '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* '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	

Most containerized evergreens for April shipments are overwintered in unheated hoop houses covered with white plastic. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine and Arborvitae.

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	#2
	#5
	#10
PMM	unsheared #5
	unsheared #10

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
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Pinus mugo 'Tannenbaum', Tannenbaum Pine 10-15'h, 8-12' spread Zone 4

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	#5
	#10
	#20 ~ 4'

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	#5
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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	#1
	#5
	#10
	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 in native landscapes. Tolerant of dry sites. Large growing open habit. Can be difficult to transplant.

PPD	#1	
	#5	
	#10	
	B&B	5'
	B&B	6'
	B&B	7'
	B&B	8'

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'
	B&B	8'
	B&B	9'

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	#1	
	#5	
	B&B	4'
	B&B	5'
	B&B	6'

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
	#5

Taxus x media 'Taunton', Taunton Spreading Yew 3-4'h, 4-6' spread Zone 4

One of the hardiest Yews for Montana. Does **not** retain deep green color during winter.

TMT	#2
	#5

Yew's are 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's are toxic all year, they are most toxic later in the season because of toxin build up.

***Thuja occidentalis* 'Brandon', Brandon's Arborvitae** 12-15'h, 6-8' spread Zone 3

Cone shaped, dense habit. Noted for durability on harsh sites. Arborvitae are very susceptible to deer browse.

TOB #5
#10

***Thuja occidentalis* 'Emerald', Emerald Arborvitae** 10-15'h, 3' 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

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

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

THO #5

***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

***Thuja occidentalis* 'BailJohn', First Editions® Technito® Arborvitae** 8-10'h, 4-5' spread Zone 3

Improved selection of Techny Arborvitae that is denser and requires less shearing. Retains dark green foliage color through winter.

TTT #5

***Thuja occidentalis* 'Techny', Techny Arborvitae** 10-12'h, 6-8' spread Zone 3

Excellent cold climate screen or hedge. Good in sun or light shade. Rapid growing. Dense dark green foliage. Arborvitae are very susceptible to deer browse.

TOT #5
#10 ~3'

***Thuja occidentalis* 'Woodwardii', Woodward Globe Arborvitae** 4-6'h, 3-5' spread Zone 4

Globe shaped without trimming. Rich green color in summer, lighter color in the winter.

TOW #5

Most containerized evergreens for April shipments are overwintered in unheated hoop houses covered with white plastic. This allows customers to plant acclimated (dormant) container Junipers, Spruce, Pine and Arborvitae.

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 no more than 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.

PERENNIALS

Glacier Nursery, Inc., 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 soil 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 individual price per plant is based upon the number ordered and delivered at one time to the same location. Price breaks are offered on select items for quantities of 5, 25 and 50 plus. The item ordered and delivered must be of the same species, same container size and same plant size to receive the quantity pricing. Quantity column headings at the top of each page help price plants accordingly.

On pages 123-126 is a chart listing flowering months, sun and soil tolerances of the perennials Glacier Nursery, Inc., 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, Inc., 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, Inc., feel free to ask, as we are more than willing to share that information with you.

	5 - 24	25 - 49	50+	1 - 4
<u>Achillea millefolium</u>, 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			
<u>Achillea millefolium</u> ‘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 <i>Achillea</i> . Excellent plant for massing. Reportedly deer resistant. Flowers June to September.				
ASY	#1			
<u>Achillea x ‘Moonshine’, Moonshine Yarrow</u> 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			
<u>Achillea x ‘Paprika’, Paprika Yarrow</u> 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			
<u>Achillea x ‘Terracotta’, Terracotta Yarrow</u> 18-24”h x 18-24”w, full sun				Zone 4
Pale orange colored flowers. Late July/August flower. Reportedly deer resistant.				
ATY	#1			

Anemone sylvestris, 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

Antennaria dioica ‘Rubra’, 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.

ADR #1

Aquilegia chrysantha, Yellow Columbine 24-36”h x 18-24”w, full to partial sun Zone 3
Yellow flowering Southwest native. Reportedly deer resistant. Plant Select 2001. Flowers in May/June.

ACY #1

Aquilegia caerulea, 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

Aquilegia ‘McKana’s Giant’, 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

Aquilegia caerulea, Columbine 18-30”h x 18-24”w, full to partial shade Zone 3
Large growing red and white flowers. Reportedly deer resistant. Flowers May/June.

ARC #1

Aquilegia, Selections of Columbine 12-18”h x 12-18”w, full to partial sun Zone 3
Attractive foliage that is good for massing. Reportedly deer resistant. Flowers May/June
Available in **Blue and White (ABW)** and **Red and White (ARW)** flowering selections.

#1

Arabis alpina ‘Compinkie’, 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

Arabis alpina ‘Snow Cap’, 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

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

5 - 24 25 - 49 50+ 1 - 4

Arctostaphylos uva-ursi 'Massachusetts', 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 #1

Armeria maritima 'Splendens', 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

Artemisia frigida, 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

Artemisia schmidtiana, 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

Arunca dioicus, Goatsbeard 3-5’h x 3-5’w, partial to full shade Zone 3
Large growing perennial. Shade tolerant. White flowering in May through June. Looks like a large *Astilbe*.

AGB #1

Aster alpinus, 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

Aster novi-belgii 'Professor Kippenburg', Cushion Aster 12-18”h x 12-18”w, full sun Zone 3
Lavender flowers from bushy mounds of foliage. Fantastic fall color as it flowers in late August and September, until frost. Extremely showy. Tolerates frost and is an interesting dried flower in the winter landscape.

APK #1

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, varied heights 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.

#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** 12-18”h x 18-24”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
- 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 punctata 'Cherry Bells', Cherry Bells Bellflower 12-24"h x 18-24"w, full to partial sun Zone 3
Big red bell shaped flowers hang from the stems June through August. A unique look for borders or a cut flower.

CCB #1

Campanula rotundifolia 'Olymica', 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 (Vines)- page 113.

Clematis integrifolia 'Caerulea', Bushy Blue Bell Clematis 12-24"h x 24-36"w, full to partial sun Zone 3
Unlike the other climbing Clematis, this one has a bushy habit. Charming violet-purple bell shaped flowers adorn this herbaceous perennial Flowers in July/August.

CIC #1

Convallaria majalis, Lilly of the Valley 6-8"h x 12-18"w full to partial shade Zone 3
Shade tolerant, white flowering ground cover that will tolerate dry shade conditions.

CMJ #1

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

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 #2

Crocsmia 'Lucifer', Lucifer Montbretia 24-36”h x 12-18”w, full to partial sun Zone 5
Showy tubular red flowers sit atop gladiolus-like leaves in July/August. Mulch heavily over the winter as this is a marginal plant for Montana's climate.

CLM #1

Delphinium 'Blue Mix', Blue Mix Larkspur 24-30”h x 15-18”w, full sun Zone 3
The classic cottage garden flower. Handsome spikes of pale to dark blue that provide a striking backdrop in the perennial garden. May require staking and protection from wind as the stalks and stems are fragile. Flowers in June through August.

DMF #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 deltooides '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. Excellent ground cover.

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

We **do not** force our perennials into flower in the greenhouse. This is best for most landscapers and some retail customers because our plants are synchronized with Montana's weather and therefore are not as vulnerable to early season frost as forced perennials or plants brought in from warmer climates.

5 - 24 25 - 49 50+ 1 - 4

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

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

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

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.

EWS #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 Western native. 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

NEW! 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" x 18-24"w, partial to full shade Zone 3
Reddish stems contrast with light green foliage on this large growing fern.

FLR #1

Athyrium nipponicum 'Pictum', Japanese Painted Fern 12-18"h x 12-18"w, partial to full shade Zone 4/5
As the fronds open they exhibit pink to burgundy stems. Not as hardy as other fern selections.

FJP #1

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

FRM #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

#5

To maintain attractive plants throughout the selling season, the perennial program requires numerous plantings to stage the crops. Most crops have two planting dates and many have three planting dates. 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
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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 'Burgundy', Burgundy Blanket Flower 18-24"h x 18"w, full sun Zone 4
Wine-red flowers with the appearance of a miniature sunflower. Flowers in summer until frost. Good for cutting. Sturdy stems support a seed head that retains some color and adds further interest. Reportedly deer resistant. Flowers June through August.

GBI #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. Flowers in the summer until frost. Deer resistant. Flowers June through August.

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 cantabrigiense 'Biokovo', Biokovo Cranesbill 6-12"h x 12-18"w, full partial sun Zone 4/5
Larger lobed leaves. Displays white flowers with a hint of pink. Flowers in May/June and intermittently thereafter. Reportedly deer resistant. Not the hardiest of the Geranium selections.

GBK #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 Zone 4
Full to partial sun. 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 macro. 'Ingwersen's Variety', Ingwersen's Variety Geranium 12"h x 12"w Zone 4
Full to partial sun. Deep magenta petals with red sepals, distinguish this selection. Reportedly deer resistant.
GIV #1

Geranium macro. '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 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

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

Helianthus maximiliana, Maximilian Sunflower 5-7', 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 3-4'h x 18-24"w, full to partial sun Zone 3
Flowers from July to September. Flowers are yellow, resembling small sunflowers.

HSS #1

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.

HMT 'Mary Todd' 24-30"h. Flowers early with lots of large 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.

#5 available for Orange, and Stella de Oro.

* 25+ pricing doesn't apply to HHN, HMT or HWT

#1

#5

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.

*50+ pricing applies only to Mini Stella and Pardon Me.

#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

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 5
 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

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 pallida 'Argentea Variegata', Variegated Iris 24-36"h x 12-18"w, full sun Zone 3
 Light blue flowers with silver variegated foliage makes a striking contrast in the perennial garden. Flowers May through July.

IAV #1

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5 - 24

25 - 49

50+

1 - 4

***Iris pumila*, Dwarf Iris** 10-14”h x 9-12”w, full to partial sun Zone 4
 Showy, miniature bearded Iris. Excellent in rock gardens. Reportedly deer resistant. Flowers May/June.

ICA ‘**Candy Apple**’ - Deep maroon flowers.
 IDC ‘**Chanted**’ - Soft pink flowers.
 IFB ‘**Forever Blue**’ - Light blue-violet flowers. Recurrent.
 IDM ‘**Marksman**’ - Orange flower and a spicy fragrance.
 IDS ‘**Smart**’ - Purple-blue flowers. **SOLD OUT**
 IGY ‘**Sun Doll**’ - Bright yellow flowers.

#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

NEW! *Lamium maculatum* ‘Aureum’, Yellow Lamium 6-8”h x 12-18”w, full to partial shade Zone 3
 Yellow leaves with a pale stripe up the center of the leaf. Partial to full shade but it will partially lose the yellow color if too much shade. Reportedly deer resistant.

LAY #1

***Lamium maculatum* ‘Orchid Frost’, Orchid Frost Lamium** 6-12”h x 24”w, full to partial shade Zone 4
 Silver leaves with a green margin and orchid colored flowers above. Flowers May through August. Reportedly deer resistant.

LOF #1

***Lamium maculatum* ‘Ghost’, Ghost Lamium** 6-12”h x 12-18”w, full to partial 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 to partial shade Zone 4
 Silvery leaves with a green edge and numerous purple flowers. May through August flowering. Reportedly deer resistant.

LPN #1

***Lamium* ‘White Nancy’, White Nancy Lamium** 6-12”h x 12-18”w, partial to full shade Zone 4
 Similar to the Purple Dragon Lamium with white flowers on top of silver foliage outlined in green. May through August flowering. Reportedly deer resistant.

LWN #1

Lathyrus latifolius, Perennial Sweet Pea - see Vines page 113.

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

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.

CSD #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.

LSS #1

Liatris punctata, Native Gayfeather 12-18"h x 6-12"w, full sun Zone 2
Great Plains native with lavender flowers in summer. Deep tap root sustains this plant during drought.

LNG #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 d. 'Midnight Lady', Midnight Lady Ligularia 36-40"h x 30-36"w, full to partial sun Zone 3
Orange-yellow flowers with large, deep purple leaves. Summer flowering.

LDM #1

5 - 24 25 - 49 50+ 1 - 4

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.

LCD #1

Lupinus 'Gallery Mix', Gallery Mix Lupines 12-24"h x 12"w, full to partial sun Zone 4
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.

LMM #1

Lupinus 'Gallery Blue', Dwarf Blue Lupine 12-24"h x 12-18"w, full to partial sun Zone 4
Blue outers with white centers, flowers in early spring.

LBL #1

Lupinus 'Gallery Red', Gallery Red Lupine 12-24"h x 12-18"w, full to partial sun Zone 4
Red outers with white centers, flowers in early spring.

LGR #1

Lupinus 'Russell Hybrid Mix', Russell Hybrid Mix Lupines 24-36"h x 24-36", full sun to partial shade Zone 4
Grand spikes of a mixture of blue, red, pink, yellow, white and bi-colors. Very showy in mass planting.

LRM #1

Lychnis chalconica, Maltese Cross 24-36"h x 12-18"w, full to partial sun Zone 3
Old time perennial with pubescent green leaves topped by clusters of scarlet flowers in June/July.

LMT #1

Lysimachia nummularia 'Aurea', Golden Moneywort 1-4"h x 12-18"w, full to partial sun Zone 4
Same as Moneywort, but yellow leaves instead of green. Will spread aggressively. Yellow flowers in June/July.

LGM 3½"
#1

Lysimachia nummularia, Moneywort 1-4"h x 12-18"w, full to partial sun Zone 4
Round bright green leaves creep on the ground creating a solid carpet with yellow flowers in June/July.
Will spread aggressively.

LMW 3½"
#1

Mahonia repens, Creeping Mahonia 12"h, spreading habit, full to partial sun Zone 4
Native evergreen ground cover. Yellow flowers in May/June and attractive red to bronze leaf color in the fall.

MRP #1

Monarda didyma 'Achrade', Grand Parade Bee Balm 12-18"h x 15-20"w, full to partial sun Zone 3
Flowers in June through August. A lavender-purple flower. More compact habit than species. Reportedly deer resistant.

MGP #1

Monarda didyma 'Coral Reef', Coral Reef Bee Balm 24-36"h x 18-24", full to partial sun Zone 3
Hot pink flowers with mildew resistant foliage. Flowers July/August. Reportedly deer resistant.

MDC #1

Monarda didyma 'Jacob Cline', Jacob Cline Bee Balm 24-36"h x 24-36"w, full to partial sun Zone 4
Large growing and red flowered, along with good mildew resistance. Reportedly deer resistant.

MJC #1

Monarda didyma 'Marshall's Delight', Bee Balm 24-36"h x 18-24"w, full sun to partial shade Zone 3
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.

MBB #1

NEW! **Monarda didyma 'Raspberry Wine', Bee Balm** 24-36"h x 24-36"w, full to partial sun Zone 4
Vivid Raspberry red flowers with good mildew resistance. Full to partial sun. Reportedly deer resistant.

MRW #1

Nepeta 'Junior Walker', Junior Walker Catmint 12-15"h x 24-36"w, full to partial sun Zone 5
Compact form of the popular Walker's Low selection of Catmint. Flowers June-August. Deer resistant.

NJW #1

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

5 - 24	25 - 49	50+	1 - 4
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Nepeta racemosa 'Walker's Low', Walker's Low Catmint 18-24"h x 24-36"w, full to partial sun Zone 3/4
A drought tolerant perennial. Gray-green foliage with purple flowers June through August. Deer resistant.

NWL 3½"
#1

Nepeta x 'Little Trudy', Little Trudy Catmint 8-12"h x 12-16"w, full sun Zone 4
Smaller version of Walker's Low. Flowers June through August. Deer resistant. 2008 Plant Select.

NLT #1

Oenothera macrocarpa, Evening Primrose 6-12"h x 12-18", full to partial sun Zone 4
Sprawling habit topped by large lemon-yellow flowers that open in afternoon and close the next morning. Flowers May through August.

OEP #1

Paeonia, Peony 24-36"h x 24-36"w, full sun Zone 3
Classics from Grandmother's garden, the flowers are large and showy. Well established plants that outperform newly planted bulbs. Provides abundant flower color in June. Available in a **Red (PXR), Pink (XPX), and White (PXW)** flowering selections.

#2

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

Penstemon barbatus, 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 digitalis 'Husker Red', Penstemon Husker Red Strain 24-30"h x 12-18" 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

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
#5

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 (PGU), Pink (PGP), Red (PGE), and White (PGW)** flowering selections.

#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.

#1

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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.

PJL #1

Polygonatum odoratum 'Variegatum', Solomon's Seal 24-36"h x 24"w, partial to full shade Zone 3
Variegated leaves on burgundy stems. Will bear white flowers in May/June. Foliage turns golden-yellow in the fall.

PSS #1

Potentilla nepalensis 'Ron McBeath', Ron McBeath Cinquefoil (Potentilla) 12"h x 18-24"w Zone 4
Spreading habit, full to partial sun. Bright pink flowers with dark green clump forming foliage that resembles that of strawberries. Reportedly deer resistant.

PRM #1

Potentilla neumanniana (previously verna), 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

Potentilla 'William Rollisson', William Rollisson Cinquefoil (Potentilla) 15-18"h x 18-24"w Zone 4
Spreading habit. Full to partial sun. Clump forming ground cover. Flowers are orange-red with hints of yellow highlights. Flowers June/July. Foliage resembles strawberry leaves. Reportedly deer resistant.

PWR #1

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

Ratibida columnifera, Prairie Coneflower 12-24"h x 18"w, full sun Zone 4
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 darker center. Flowers June through August.

RPC #1

Ratibida columnifera pulcherrima, Prairie Red Coneflower 18-24"h x 12-24"w Zone 4
Selection of above with red petals and a raised dark center. Flowers June through August.

RRC #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

Rudbeckia fulgida var. sullivantii 'Little Goldstar', Little Goldstar Coneflower 14-16"h x 16"w Zone 4
Full sun. More compact introduction of the well known Goldsturm Coneflower selection. Flowers August to September. Reportedly deer resistant.

RLO #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

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 'Rosenwein', Rose Wine Meadow Sage 24"h, full sun Zone 4
Rose flower spikes up to 2' tall. Reportedly deer resistant.

SSP #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

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- 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 'Matrona', Matrona Upright Sedum** 18-24"h x 18-24"w, full sun Zone 3
Dark pink flowers form a flat top look upon large reddish stems. Similar to Autumn Joy Sedum but, the foliage is dark green to maroon color tones. Flowers July through September.
SMR #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, upright spreading habit, full sun Zone 3
Foliage is light green and flowers are small and pink, creating a dome effect over the plant. 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
- 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
- Sisyrinchium montanum, Blue-eyed Grass** 6-12"h x 6-12"w, full sun to partial shade Zone 4
A grass-like mounded perennial with summer blue-purple flowers. Wide spread native.
SMG #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

110 Perennials

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NEW! *Solidago canadensis* '**Golden Baby**', Goldenrod 18-24"h x 18-24"w Zone 4
Dense tidy yellow flowering perennial with green leaves. Full sun to partial shade.

SGO #1

Solidago canadensis '**Goldrush**', Goldrush Goldenrod 12"h x 18-24"w, full sun Zone 4
Dwarf spreading. In August/September yellow flowers cover this half-size goldenrod. Reportedly deer resistant.

SGR #1

NEW! *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 5
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

Tanacetum coccineum '**Robinson's Red**', Crimson Painted Daisy 18-24"h x 12-18"w Zone 4/5
Full sun. Red flowering selection of above.

TRD #1

Thermopsis rhombifolia, Prairie Thermopsis 6-18"h x 12"w, full sun to partial shade Zone 4
Plains native. Yellow pea-like flowers in June through August. Drought tolerant.

TPG #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"

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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

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. A plant adaptable to many situations. Dark blue flower spikes in June through September.

VSB #1

NEW! **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

Viola 'Columbine', Violet 6"h x 8"w, partial to full shade Zone 4
Compact purple flowers and purple foliage. Will do best in shade. Good for edging and as a ground cover. Flowers in July/August.

VBV #1

We **do not** force our perennials into flower in the greenhouse. This is best for most landscapers and some retail customers because our plants are synchronized with Montana's weather and therefore are not as vulnerable to early season frost as forced perennials or plants brought in from warmer climates.

***Yucca filamentosa*, Adams Needle** 24”h x 24-36”w, full sun Zone 4
Bright green leaves with large white flowers in July/August. Not as hardy as *Yucca glauca*. Reportedly deer resistant.

YIS #5

***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 x 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

Ground Covers (12” or less in height)

<i>Aegopodium</i> p. ‘ <i>Variegatum</i> ’, Snow on the Mountain	<i>Mahonia repens</i> , Creeping Mahonia
<i>Ajuga</i> species	<i>Nepata</i> ‘ <i>Junior Walker</i> ’, Junior Walker Catmint
<i>Antennaria dioica</i> ‘ <i>Rubra</i> ’, Pink Pussytoes	<i>Nepata</i> x ‘ <i>Little Trudy</i> ’, Little Trudy Catmint
<i>Arabis alpina</i> selections, Rockcress	<i>Oenothera macrocarpa</i> , Evening Primrose
<i>Arctostaphylos uva-ursi</i> , Massachusetts Kinnikinnick	<i>Phlox subulata</i> , Creeping Phlox
<i>Armeria maritima</i> ‘ <i>Splendens</i> ’, Splendens Sea Pink	<i>Pulsatilla</i> species
<i>Artemisia schmidtiana</i> , Silver Mound Wormwood	<i>Potentilla neumanniana</i> , Creeping Cinquefoil
<i>Aster alpinus</i> , Alpine Aster	<i>Sagina subulata</i> , Irish Moss
<i>Aurinia saxatilis</i> , Basket of Gold	<i>Saponaria ocymoides</i> , Soapwort
<i>Campanula carpatica</i> , Blue & White Bellflower	<i>Sedum acre</i> , Golden Carpet Sedum
<i>Campanula</i> p. ‘ <i>Blue Waterfall</i> ’, Blue Waterfall Blue Bells	<i>Sedum album</i> , ‘Coral Carpet’
<i>Cerastium tomentosum</i> , Snow in Summer	<i>Sedum kamtschaticum</i> , Yellow Stonecrop
<i>Delosperma</i> species	<i>Sedum</i> v. ‘ <i>Blue Spruce</i> ’, Blue Creeping Stonecrop
<i>Dianthus</i> species	<i>Sedum spurium</i> ‘ <i>Dragon’s Blood</i> ’, Dragon’s Blood Sedum
<i>Erigonum umbellatum</i> , ‘Kannah Creek’, Buckwheat	<i>Sempervivum tectorum</i> , Hen & Chicks
<i>Euonymus fortunei coloratus</i> , Purple Wintercreeper	<i>Sisyrinchium montanum</i>
<i>Fragaria</i> species, Strawberry	<i>Thymus praecox</i> and <i>serpyllum</i>
<i>Galium odoratum</i> , Sweet Woodruff	<i>Veronica liwanensis</i> , Turkish Speedwell
<i>Geranium cant.</i> ‘ <i>Biokovo</i> ’, Biokovo Cranesbill	<i>Veronica</i> x ‘ <i>Tidal Pool</i> ’, Creeping Speedwell
<i>Geranium mac.</i> and selections, Geranium	<i>Vinca minor</i> , Common Periwinkle
<i>Geranium san.</i> and selections, Bloody Cranesbill	<i>Viola</i> , Violet
<i>Lamium</i> species	<i>Zauschneria garrettii</i> ‘ <i>Orange Carpet</i> ’, California Fuchsia
<i>Lysimachia</i> species, Moneywort	

Vines

Clematis, 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

Euonymus fortunei 'Coloratus', Purple Wintercreeper 12-18"h x 24-48"w, full to partial sun Zone 4

Broadleaf evergreen that mounds and will climb if given support.

EPW

#1

Hedera helix, English Ivy 1-2'h full to partial sun Zone 5

Self-clinging vine with small green leaves. Used for climbing walls, pillars and fences. Evergreen.

HEI

#1

Humulus lupulus 'Bianca', Bianca Ornamental Hops Zone 3

Lemon-yellow leaves differentiate this from Nugget Hops. Prefers partial shade.

HBH

#1

Humulus lupulus 'Cascade', Cascade Ornamental Hops Zone 4

Dark green foliage with a light yellow cone. Can be used for brewing beer.

HCA

#1

Humulus lupulus '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

Humulus lupulus 'Willamette', Willamette Ornamental Hops Zone 4

Dark green foliage with a golden cone. Can be used for brewing beer.

HLW

#1

Hydrangea anomala petiolaris, Climbing Hydrangea sun or shade Zone 3

For protected locations. This vine has large, fragrant, white flowers in early July.

HAP

#1

Lathyrus latifolius, 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

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

Lonicera '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

Lonicera x brownii 'Dropmore Scarlet', Dropmore Scarlet Honeysuckle

Zone 3

Hardy tall climbing Honeysuckle with bright orange-scarlet tubular flowers in early summer.

LXD #1

Parthenocissus quinquefolia (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
#5

Parthenocissus quinquefolia 'Engelmanni', Engelman Ivy

Zone 3

Small leafed, slower growing Ivy with similar clinging features as above and also possessing a red fall color.

PQE #1
#5

Vinca minor, 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 3½"
#1

Wisteria macrostachya 'Blue Moon', Blue Moon Wisteria

Zone 4

Hardest selection of Wisteria. Lavender-blue flowers.

WBM #1

Grasses

Andropogon gerardii, 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

Bouteloua gracilis, 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

Bouteloua gracilis '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

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Calamagrostis brachytricha, Korean Feather Reed Grass 3-4'h x 2-3'w Zone 4
Cool season, clump forming grass. Green leaves. Open flower and seed head unlike other *Calamagrostis*.
2009 Plant Select.

CKO #1
#2

Calamagrostis x acutiflora 'Avalanche', Avalanche Feather Reed Grass 3-4'h x 2-3'w Zone 4
Variegated Feather Reed Grass with white center of leaf. Shorter than Overdam Reed Grass. Cool season.

CAF #1

Calamagrostis x acutiflora 'Karl Foerster', Feather Reed Grass 3-4'h x 18-24" w Zone 4
One of the earliest flowering *Calamagrostis*. This selection has showy seed heads in the fall. Tremendously popular.

CKF #1
#2
#5

Calamagrostis x acutiflora 'Overdam', Overdam Feather Reed Grass 3-4'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
#2
#5

Carex elata 'Aurea', Bowles Golden Sedge 18-24" h x 24-36" w Zone 5
Fine textured with a golden variegated leaf. Cool season. Clump forming.

CEA #1

Carex nebrascensis, 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

Carex pensylvanica, 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

Carex utriculata, Beaked Sedge 3-4'h x 2-3', full sun Zone 2
Also known as Northwest Territory Sedge. Native to the toughest climates of North America. Tolerates saturation. Cool Season.

CBK #1

Chasmanthium latifolium, 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	
<u>Deschampsia cespitosa</u> ‘Goldtau’, Gold Dew Tufted Hair Grass 12-24”h	Zone 3
Shorter growing selection of species. Cool season. Clump forming.	
DGT #1	
NEW! <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>Festuca ovina</u>, Sheep’s Fescue 12x18”h x12”w, full sun	Zone 4
Native, drought tolerant bunchgrass. White flowers. Prefers well-drained sites.	
FSH #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
	#5
<u>Hierochloe 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 glauca</u>, Blue Hair Grass 6-12”h x 12”w, full sun	Zone 4
Cool season. Clump forming. Blue-gray foliage distinguishes this plant.	
KBH #1	

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<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
<u>Miscanthus sinensis purpurascens</u>, Flame Grass 3-4’h x 2-3’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 #5
<u>Miscanthus sinensis</u> ‘Graziella’, Graziella 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.	
MSG	#1
<u>Miscanthus sinensis</u> ‘Strictus’, Porcupine Grass 5-7’h x 3-4’w	Zone 5
Green leaves with horizontal stripes. Reportedly deer resistant. Clump forming.	
MPG	#1
<u>Molina caerulea</u> ‘Skyracer’, Skyracer Moor Grass 2-4’h x 3-4’w	Zone 4
Fine seed heads in August on wide leaf blades. Clump forming. Cool season grass.	
MMG	#1
<u>Panicum virgatum</u> ‘Heavy Metal’, Heavy Metal Switch Grass 3-4’h x 2-3’w	Zone 4
Upright metallic-blue leaves that form a tight sod like mat. Bright yellow fall color. Runners.	
PHM	#1
<u>Panicum virgatum</u> ‘Shenandoah’, Switch Grass 4-5’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
<u>Pennisetum alopecuroides</u> ‘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

Phalaris arundinacea 'Picta', Variegated Ribbon Grass 18-24" h x 2-4' w Zone 3
Green and white vertically striped blades. Vigorous grower. Difficult to confine to small area. Cool season.
PRG #1

Poa glauca '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

Pseudoroegneria spicata, Bluebunch Wheatgrass 18-36" h x 18-24" w Zone 3
Also known as *Agropyrum spicatum*. Native and common in the Northern Great Plains. Cool season. Establishes quickly. Not tolerant of high moisture. Runners.
PBW #1

Saccharum ravennae, Plume Grass 6-8' h x 2-3' 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 $\frac{3}{4}$ " wide leaf blade. Warm season. Clump forming.
SPS #1

Schizachyrium scoparium, Little Bluestem Grass 3-4' 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

Sesleria autumnalis, Autumn Moor Grass 9-18" h x 12-18" w Zone 4
Cool season, clump forming, September flowering. Drought tolerant once established.
SAG #1

Sesleria caerulea, 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

Sorghastrum nutans '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.
SIN #1

Sporobolus heterolepis, 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

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

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 & Blonde Ambition	Native	Clump	Warm		X	X	
<i>Calamagrostis</i> , Feather Reed Grass		Upright Clump	Cool			X	
<i>Carex</i> , Nebraska Sedge	Native	Runners	Cool	Wet		X	
<i>Carex</i> , Bowles		Clump	Cool		X		
<i>Chasmanthium</i> , Northern Sea Oats	Native	Clump	Cool			X	
<i>Deschampsia</i> , Gold Dew		Clump	Cool		X		
<i>Deschampsia</i> , Tufted Hair Grass	Native	Clump	Cool			X	
<i>Festuca</i> , Blue Fescue, Boulder Blue		Clump	Cool		X		
<i>Festuca</i> , Idaho Fescue, Siskiyou Blue, Ovina	Native	Clump	Cool	Dry	X	X	
<i>Helictotrichon</i> , Blue Oat Grass		Clump	Cool			X	
<i>Hierochloe</i> , Sweetgrass	Native	Runners	Cool	Wet		X	
<i>Koeleria</i> , Prairie Junegrass and Blue Hair	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		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> , Meadow Grass		Clump	Cool	Wet	X		
<i>Pseudoroegneria</i> , Bluebunch Wheatgrass	Native	Clump	Cool			X	
<i>Saccharum</i> , Plume Grass		Clump	Warm			X	
<i>Schizachyrium</i> , Little Bluestem Grass	Native	Clump	Warm	Dry		X	
<i>Seslaria</i> , Blue Moor Grass		Clump	Cool		X		
<i>Sisyrinchium</i> , Blue-eyed Grass	Native	Clump		Wet	X		
<i>Sorghastrum</i> , Indian Steel Indian Grass	Native	Clump	Warm			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. (*Deschampsia*, *Helictotrichon*, *Fescue*.)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. (*Miscanthus*, *Panicum*, *Pennisetum*.)

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 #2
- 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
- Lonicera caerulea* 'Aurora', Aurora Honeyberry** 4-5'h Zone 2
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** 4-5'h Zone 2
Sweet tasting blue fruit. Pollinate with Polar Jewel. University of Saskatchewan bred.
LCB #2
- Lonicera caerulea* 'Tundra', Tundra Honeyberry** 4-5'h Zone 2
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' 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
- Melissa officinalis*, Lemon Balm** 18-24"h x 12-18"w, full to partial sun Zone 3
Lemon scented foliage used primarily in beverages, fruit dishes and salads.
MLB #1
- Mentha spicata*, Spearmint** 18-24"h x 18-24"w, full to partial sun Zone 4
Classic mint for beverages.
MSP #1
- Mentha x piperita*, Peppermint** 6-12"h x 12-18"w full to partial sun Zone 4
Strong mint flavor. Useful in mint sauce and jelly.
MPM #1
- Rheum*, 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

5 - 24 25 - 49 50+ 1 - 4

<u>Ribes</u> 'Hinnomaki', Hinnomaki Red Gooseberry 3-5'h	Zone 4
Fruiting variety with large red berries. Purported to have exceptional flavor.	
RHN #2	
<u>Ribes nigrum</u> 'Consort', 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</u> 'Pixwell', Pixwell Gooseberry 3-6'h	Zone 4
Very productive. Fruit turns from pale green to pink when ripe.	
RPG #2	
<u>Ribes</u> 'Red Lake', 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</u> 'Boyne', Red Raspberry 6'h	Zone 3
Excellent for canning, freezing and dessert. Red fruit.	
RRR #2	
<u>Rubus</u> 'Caroline', Caroline Raspberry 4'h	Zone 4
Self-fertile improved version of Heritage Raspberry. Red fruit.	
RCL #2	
<u>Rubus</u> 'Fallgold', Fallgold Raspberry 3-4'h	Zone 3
Golden colored fruit. Produces two crops a season.	
RFG #2	
<u>Rubus</u> 'Heritage', Heritage Raspberry 5-6'h	Zone 4
Red medium sized fruit. Everbearing, excellent flavor fruit. Robust growing.	
RHT #2	
<u>Rubus</u> 'Killarney', Killarney Raspberry 3-4'h	Zone 3
Summer bearing from Manitoba. Red fruit.	
RKR #2	
<u>Rubus</u> 'Royalty', Royalty Raspberry 4'h	Zone 4
Cross between purple and red Raspberry. Produces a large fruit.	
RRY #2	
<u>Rubus</u> 'Souris', 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</u> 'Chippewa', Chippewa Blueberry 30-40"h	Zone 4
Upright growth habit with large dark blue fruit. Bright red fall foliage. Blueberries require a substantially more acidic soil than any other plant we grow. This can be accomplished by altering the acidity of the water to the plant, adding sulfur to the planting mix and top dressing with granulated sulfur. A moist, well drained, but not saturated soil, is desired.	
VCB #1	
<u>Vaccinium</u> 'Northblue', Northblue Blueberry 36-48"h	Zone 3
One of the hardiest selections. See cultural notes above.	
VNB #1	
<u>Vaccinium</u> 'Northcountry', Northcountry Blueberry 18-24"h x 24-30w"	Zone 4
Partially self-fruitful. Shorter growing blueberry. See cultural notes above.	
VNC #1	
<u>Vaccinium</u> 'Northsky', Northsky Blueberry 12-18"h x 24-30"w	Zone 4
One of the shortest blueberries, with an abundance of fruit. See cultural notes above.	
VNS #1	
<u>Vitis</u> 'Beta', Beta Grape	Zone 3
Vigorous growing, blue-black excellent fruit for juice or jelly. Noted for its cold hardiness.	
VBT #2	
<u>Vitis</u> 'Bluebell', Bluebell Grape	Zone 4
Northern hardy substitute for Concord Grape.	
VBB #2	
<u>Vitis</u> 'Edelweiss', Edelweiss Grape	Zone 4
Vigorous disease resistant green-white grape. Dessert and wine grape.	
VED #2	
<u>Vitis</u> 'Frontenac', Frontenac™ Grape	Zone 4
Developed by the University of Minnesota. Produces a quality juice for red wine making.	
VFN #2	
<u>Vitis</u> 'Frontenac Gris', Frontenac Gris™ Grape	Zone 4
Copper-peach colored grape used for fresh eating, desserts and white wine making.	
VFG #2	
<u>Vitis</u> 'Valiant', Valiant Grape	Zone 3
An attractive blue grape that is good for juice or jelly.	
VVG #2	

Variety	Flowering Season						Light	Moisture Tolerance	Heights		
	A	M	J	J	A	S			S	M	T
<i>Achillea</i> , Yarrow	A	M	J	J	A	S	FS			X	
<i>Aegopodium</i> , Snow on the Mountain	A	M	J	J	A	S	PS	W		X	
<i>Ajuga</i>	A	M	J	J	A	S	PS/SH	W	X		
<i>Alcea</i> , Hollyhock	A	M	J	J	A	S	FS	D			X
<i>Alchemilla</i> , Thriller	A	M	J	J	A	S	FS/PS			X	
<i>Allium</i>	A	M	J	J	A	S	FS			X	
<i>Anaphalis</i>	A	M	J	J	A	S	FS/PS				X
<i>Anemone</i> , Snowdrop	A	M	J	J	A	S	FS/PS		X		
<i>Antennaria</i> , Pussytoes	A	M	J	J	A	S	FS	D	X		
<i>Aquilegia</i> Colorado Blue, Red	A	M	J	J	A	S	FS/PS			X	
<i>Aquilegia</i> , Yellow	A	M	J	J	A	S	FS/PS				X
<i>Aquilegia</i> , McKana's Giant Columbine	A	M	J	J	A	S	FS/PS				X
<i>Aquilegia</i> , Blue & White, Red & White	A	M	J	J	A	S	FS/PS			X	
<i>Arabis</i> , Rockcross	A	M	J	J	A	S	FS/PS		X		
<i>Arctostaphylos</i> Massachusetts	A	M	J	J	A	S	PS/SH		X		
<i>Armeria</i> , Splendens Sea Pink	A	M	J	J	A	S	FS		X		
<i>Artemisia</i> , Fringed Sage	A	M	J	J	A	S	FS				X
<i>Artemisia</i> , Silver Mound Wormwood	A	M	J	J	A	S	FS	D		X	
<i>Aruncus</i> , Goatsbeard	A	M	J	J	A	S	PS/SH				X
<i>Aster</i> , Alpine Aster	A	M	J	J	A	S	FS		X		
<i>Aster</i> , Prof. Kippenburg, Woods Pink	A	M	J	J	A	S	FS	W		X	
<i>Astilbe</i>	A	M	J	J	A	S	PS/SH	W		X	
<i>Aurinia</i> , Basket of Gold	A	M	J	J	A	S	FS/PS			X	
<i>Baptisia</i> , False Indigo	A	M	J	J	A	S	FS/PS	D			X
<i>Bergenia</i> , Heartleaf Bergenia	A	M	J	J	A	S	FS/PS	W		X	
<i>Brunnera</i> , Forget-me-not & Jack Frost	A	M	J	J	A	S	PS			X	
<i>Campanula</i> , Bellflower	A	M	J	J	A	S	FS/PS		X		
<i>Campanula</i> , Cherry Bells	A	M	J	J	A	S	FS/PS			X	
<i>Campanula</i> , Blue Waterfall	A	M	J	J	A	S	FS/PS		X		
<i>Campanula</i> , Harebell	A	M	J	J	A	S	FS/PS	D	X		
<i>Campanula</i> , Tall Bellflower, Peach-Leaved	A	M	J	J	A	S	FS/PS				X
<i>Caryopteris</i> , Blue Mist	A	M	J	J	A	S	FS			X	
<i>Centaurea</i> , Mountain Bluet	A	M	J	J	A	S	FS	D			X
<i>Cerastium</i> , Snow in Summer	A	M	J	J	A	S	FS/PS	D	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.

124 Perennial Charts

Variety	Flowering Season						Light	Moisture Tolerance	Heights		
	A	M	J	J	A	S			S	M	T
<i>Clematis</i>	A	M	J	J	A	S	"Roots shade Top sun"				
<i>Coreopsis</i> , Baby Sun, Jethro Tull	A	M	J	J	A	S	FS			X	
<i>Coreopsis</i> , Threadleaf & Moonbeam	A	M	J	J	A	S	FS	D		X	
<i>Crocsmia</i> , Lucifer Montbretia	A	M	J	J	A	S	FS/PS				X
<i>Delosperma</i> , Firespinner, Ice Plant	A	M	J	J	A	S	FS/PS		X		
<i>Delphinium</i>	A	M	J	J	A	S	FS/PS				X
<i>Dianthus</i>	A	M	J	J	A	S	FS		X		
<i>Dicentra</i> , Bleeding Heart	A	M	J	J	A	S	PS/SH				X
<i>Digitalis</i> , Foxy	A	M	J	J	A	S	FS/PS	W			X
<i>Echinacea</i> , Coneflower selections	A	M	J	J	A	S	FS/PS	D			X
<i>Echinops</i> , Globe Thistle	A	M	J	J	A	S	FS	D			X
<i>Erigeron</i> , Fleabane	A	M	J	J	A	S	FS	D		X	
<i>Eriogonum</i> , Kannah Creek Buckwheat	A	M	J	J	A	S	FS	D	X		
<i>Eupatorium</i> , Joe Pye Weed	A	M	J	J	A	S	FS/PS				X
<i>Euphorbia</i> , Cushion	A	M	J	J	A	S	FS/PS			X	
Ferns											
<i>Athyrium</i> , Lady, Lady in Red Fern	A	M	J	J	A	S	PS/SH				X
<i>Athyrium</i> , Japanese	A	M	J	J	A	S	PS/SH			X	
<i>Dryopteris complexa</i> , Robust Male Fern	A	M	J	J	A	S	PS/SH				X
<i>Matteuccia</i> , Ostrich Fern	A	M	J	J	A	S	PS/SH				X
<i>Fragaria</i> , Runnerless, Wild, Ornamental	A	M	J	J	A	S	FS/PS		X		
<i>Gaillardia</i>	A	M	J	J	A	S	FS	D		X	
<i>Galium</i> , Sweet Woodruff	A	M	J	J	A	S	PS/SH	W	X		
<i>Geranium</i> , Cranesbill, Biokovo	A	M	J	J	A	S	FS/PS		X		
<i>Geranium</i> , Bevans, Max Frei	A	M	J	J	A	S	FS/PS		X		
<i>Geranium</i> , Johnson's, Rozanne	A	M	J	J	A	S	FS/PS			X	
<i>Geranium</i> , Sticky	A	M	J	J	A	S	FS/PS				X
<i>Geum</i> , Mrs. Bradshaw Geum	A	M	J	J	A	S	FS			X	
<i>Gypsophila</i> , Bristol Fairy	A	M	J	J	A	S	FS			X	
<i>Helianthus</i> , Sunflower	A	M	J	J	A	S	FS	D			X
<i>Heliopsis</i> , False Sunflower	A	M	J	J	A	S	FS	W			X
<i>Hemerocallis</i> , Daylily	A	M	J	J	A	S	FS/PS			X	X
<i>Heuchera</i> , Splendens, Snow Angel, Purple	A	M	J	J	A	S	FS/PS			X	
<i>Hosta</i> , Plantain Lily	A	M	J	J	A	S	PS/SH			X	
<i>Iberis</i> , Candytuft	A	M	J	J	A	S	FS/PS		X		
<i>Iris</i> , Dwarf Iris	A	M	J	J	A	S	FS/PS	W	X		
<i>Iris</i> , Siberian, White Iris, Variegated	A	M	J	J	A	S	FS/PS	W			X
<i>Lamium</i>	A	M	J	J	A	S	PS/SH		X		

Variety	Flowering Season						Light	Moisture Tolerance	Heights		
	A	M	J	J	A	S			S	M	T
<i>Lavendula</i> , Lavender	A	M	J	J	A	S	FS		X		
<i>Leucanthemum</i> , Alaska & Becky	A	M	J	J	A	S	FS				X
<i>Leucanthemum</i> , Snowcap Daisy	A	M	J	J	A	S	FS			X	
<i>Liatris</i> , White & Kobold Gayfeather	A	M	J	J	A	S	FS	D			X
<i>Ligularia</i> , The Rocket, Little Rocket, Midnight	A	M	J	J	A	S	FS/PS				X
<i>Lilium</i> , Yellow & Pink	A	M	J	J	A	S	FS			X	
<i>Lobelia</i> , Cardinal Flower	A	M	J	J	A	S	FS/PS	W			X
<i>Lupinus</i> , Gallery Mix, Red, Blue, Russell Hyb.	A	M	J	J	A	S	FS/PS			X	
<i>Lychnis</i> , Maltese Cross	A	M	J	J	A	S	FS/PS				X
<i>Lysimachia</i> , Moneywort, Golden Moneywort	A	M	J	J	A	S	FS/PS		X		
<i>Mahonia</i>	A	M	J	J	A	S	FS/PS		X		
<i>Monarda</i> , Grand Parade	A	M	J	J	A	S	FS/PS			X	
<i>Monarda</i> , Bee Balm	A	M	J	J	A	S	FS/PS		X		X
<i>Nepeta</i> , Walker's Low Catmint	A	M	J	J	A	S	FS/PS	D		X	
<i>Nepeta</i> , Little Trudy & Junior Walker	A	M	J	J	A	S	FS/PS		X		
<i>Oenothera</i> , Evening Primrose	A	M	J	J	A	S	FS/PS		X		
<i>Paeonia</i> , Peony	A	M	J	J	A	S	FS/PS				X
<i>Papaver</i> , Dwarf Red Poppy	A	M	J	J	A	S	FS		X		
<i>Papaver</i> , Oriental selections	A	M	J	J	A	S	FS				X
<i>Penst. barbatus, strictus, digitalis</i>	A	M	J	J	A	S	FS			X	
<i>Penstemon</i> , Pineneedle	A	M	J	J	A	S	FS		X		
<i>Penstemon, mexacalli</i>	A	M	J	J	A	S	FS/PS			X	
<i>Perovskia</i> , Sage	A	M	J	J	A	S	FS				X
<i>Phlox</i> , Tall Garden Phlox	A	M	J	J	A	S	FS	W			X
<i>Phlox</i> , Creeping Phlox	A	M	J	J	A	S	FS		X		
<i>Polemonium</i> , Jacob's Ladder	A	M	J	J	A	S	PS/SH				X
<i>Polygonatum</i>	A	M	J	J	A	S	PS/SH	W			X
<i>Potentilla</i> , Cinquefoil Potentilla	A	M	J	J	A	S	FS/PS	D	X		
<i>Potentilla</i> , William Rollisson, Ron McBeath	A	M	J	J	A	S	FS/PS			X	
<i>Pulsatilla</i> , European	A	M	J	J	A	S	FS	D	X		
<i>Ratibida</i> , Coneflower	A	M	J	J	A	S	FS	D		X	
<i>Ratibida</i> , Gray-headed Coneflower	A	M	J	J	A	S	FS				X
<i>Rudbeckia</i> , Orange Coneflower	A	M	J	J	A	S	FS/PS				X
<i>Rudbeckia</i> , Little Goldstar	A	M	J	J	A	S	FS			X	
<i>Sagina</i> , Irish Moss	A	M	J	J	A	S	PS/SH		X		
<i>Salvia</i> , Pink	A	M	J	J	A	S	FS		X		
<i>Salvia</i> , Meadow Sage	A	M	J	J	A	S	FS	D	X	X	X
<i>Salvia</i> , Marcus Dwarf	A	M	J	J	A	S	FS		X		
<i>Salvia</i> , Snow Hill	A	M	J	J	A	S	FS			X	
<i>Saponaria</i> , Soapwort	A	M	J	J	A	S	FS		X		

126 Perennial Charts

Variety	Flowering Season						Light	Moisture Tolerance	Heights		
	A	M	J	J	A	S			S	M	T
<i>Sedum</i> , Golden Carpet Sedum	A	M	J	J	A	S	FS	D	X		
<i>Sedum</i> , Coral Carpet	A	M	J	J	A	S	FS		X		
<i>Sedum</i> , Blue Creeping	A	M	J	J	A	S	FS	D	X		
<i>Sedum</i> , Yellow Stonecrop	A	M	J	J	A	S	FS		X		
<i>Sedum</i> , Autumn Joy & Matrona	A	M	J	J	A	S	FS			X	
<i>Sedum</i> , Dragon's Blood	A	M	J	J	A	S	FS		X		
<i>Sedum</i> , Vera Jameson	A	M	J	J	A	S	FS		X		
<i>Sempervivum</i> , Hen & Chicks	A	M	J	J	A	S	FS/PS	D	X		
<i>Sisyrinchium</i> , Blue-eyed Grass	A	M	J	J	A	S	FS/PS	W	X		
<i>Solidago</i> , Crown of Rays	A	M	J	J	A	S	FS/PS				X
<i>Solidago</i> , Golden Baby	A	M	J	J	A	S	FS/PS			X	
<i>Solidago</i> , Goldrush, Little Lemon	A	M	J	J	A	S	FS		X	X	
<i>Stachys</i> , Lamb's Ears	A	M	J	J	A	S	FS/PS			X	
<i>Tanacetum</i> , Painted Daisy	A	M	J	J	A	S	FS/PS				X
<i>Thermopsis</i> , Prairie	A	M	J	J	A	S	FS/PS	D		X	
<i>Thymus</i> , Red, Woolly, Mother of	A	M	J	J	A	S	FS		X		
<i>Tradescantia</i> , Concord	A	M	J	J	A	S	FS/PS	W		X	
<i>Trollius</i> , Globe Flower	A	M	J	J	A	S	FS/PS	W			X
<i>Veronica</i> , Speedwell	A	M	J	J	A	S	FS/PS			X	
<i>Veronica</i> , Turkish	A	M	J	J	A	S	FS/PS		X		
<i>Veronica</i> , Tidal Pool	A	M	J	J	A	S	FS/PS		X		
<i>Viola</i> , Blue Violet	A	M	J	J	A	S	PS/SH		X		
<i>Vinca</i> , Common Periwinkle	A	M	J	J	A	S	PS/SH		X		
<i>Yucca</i> , Soapweed, Adams Needle	A	M	J	J	A	S	FS	D		X	
<i>Zauschneria</i> , California Fuchsia	A	M	J	J	A	S	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.

DEER RESISTANT AND SUSCEPTIBLE PLANTS

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 person lists resistance and another person 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		Papaver species	xxxx
<i>Betula papyrifera</i>	xxx	<i>Astilbe</i> selections	xxxx	<i>Penstemon</i> species	xx
<i>Gleditsia triacanthos</i> 'Skycole'	xxx	<i>Athyrium niponicum</i> 'Pictum'	xx	<i>Perovskia atriplicifolia</i>	xxxx
SHRUBS		<i>Baptisia</i> species	xx	<i>Polemonium caeruleum</i>	xxx
<i>Amorpha fruticosa</i>	xx	<i>Bergenia cordifolia</i>	xx	<i>Potentilla</i> selections	xxx
<i>Berberis</i> species	xxxx	<i>Caryopteris clandonensis</i>	xxxxx	<i>Rudbeckia</i> 'Goldsturm'	xx
<i>Cornus sericea</i> var. <i>coloradensis</i>	xxx	<i>Coreopsis</i> selections	xxxx	<i>Salvia</i> selections	xx
<i>Forsythia</i> species	xxxx	<i>Delphinium</i> 'Blue Mix'	xx	<i>Solidago</i> selections	xxxxx
<i>Potentilla fruticosa</i> selections	xxx	<i>Dicentra spectabilis</i> selections	xxxxx	<i>Stachys lanata</i>	xxxxx
<i>Rhus aromatica</i> 'Gro-low', <i>trilobata</i>	xx	<i>Digitalis</i> species	xxxxxx	<i>Thymus</i> species	xxx
<i>Ribes aureum</i>	xxx	<i>Echinacea purpurea</i> 'Magnus'	xxxx	<i>Veronica</i> selections	xx
<i>Spiraea</i> species	xxx	<i>Echinops ritro</i>	xx	<i>Yucca</i> species	xxxx
<i>Syringa vulgaris</i>	xx	<i>Eupatorium</i> species	xx	<i>Vinca minor</i>	xx
EVERGREENS		<i>Euphorbia</i> species	xxx	GRASSES	
<i>Buxus</i> species	xx	<i>Gaillardia</i> selections	xxx	<i>Andropogon</i> species	xx
<i>Juniperus</i> 'Prince of Wales'	xx	<i>Galium odoratum</i>	xxxx	<i>Calamagrostis</i> selections	xx
<i>Picea abies</i>	xx	<i>Geranium</i> selections	xxxx	<i>Chasmanthium lat.</i>	xx
<i>Picea pungens</i> 'Glauca'	xx	<i>Iberis sempervirens</i>	xxx	<i>Festuca</i> 'Elijah Blue'	xx
<i>Pinus mugo</i> selections	xx	<i>Iris</i> species	xxx	<i>Miscanthus</i> selections	xxx
<i>Pinus nigra</i>	xx	<i>Lamium</i> selections	xxxxxx	<i>Molinia</i> selections	xx
<i>Pinus sylvestris</i>	xxx	<i>Lavandula</i> species	xxxxx	<i>Pennisetum</i> 'Hamel'	xx
PERENNIALS		<i>Leucanthemum</i>	xx	SUSCEPTIBLE PLANTS	
<i>Achillea</i> species	xxxxx	<i>Liatris</i> species	xxx	<i>Euonymus fortunei</i> 'Coloratus'	AA
<i>Ajuga</i> selections	xxx	<i>Mahonia</i>	xxxxx	<i>Hosta</i> species	AA
<i>Allium</i> species	xxx	<i>Matteuccia struthiopteris</i>	xxxx	<i>Rhododendron</i> selections	AA
<i>Aquilegia</i> selections	xxx	<i>Monarda</i> selections	xxxxx	<i>Taxus x media</i> selections	AA
<i>Arctostaphylos uva-ursi</i> 'Mass'	xx	<i>Nepeta</i> selections	xxxxx	<i>Thuja occidentalis</i> selections	AA
<i>Artemisia schmidtiana</i>	xxxx	<i>Paeonia</i> selections	xx		

Each 'X' represents a source found indicating "deer resistance." Each "A" represents deer attraction.

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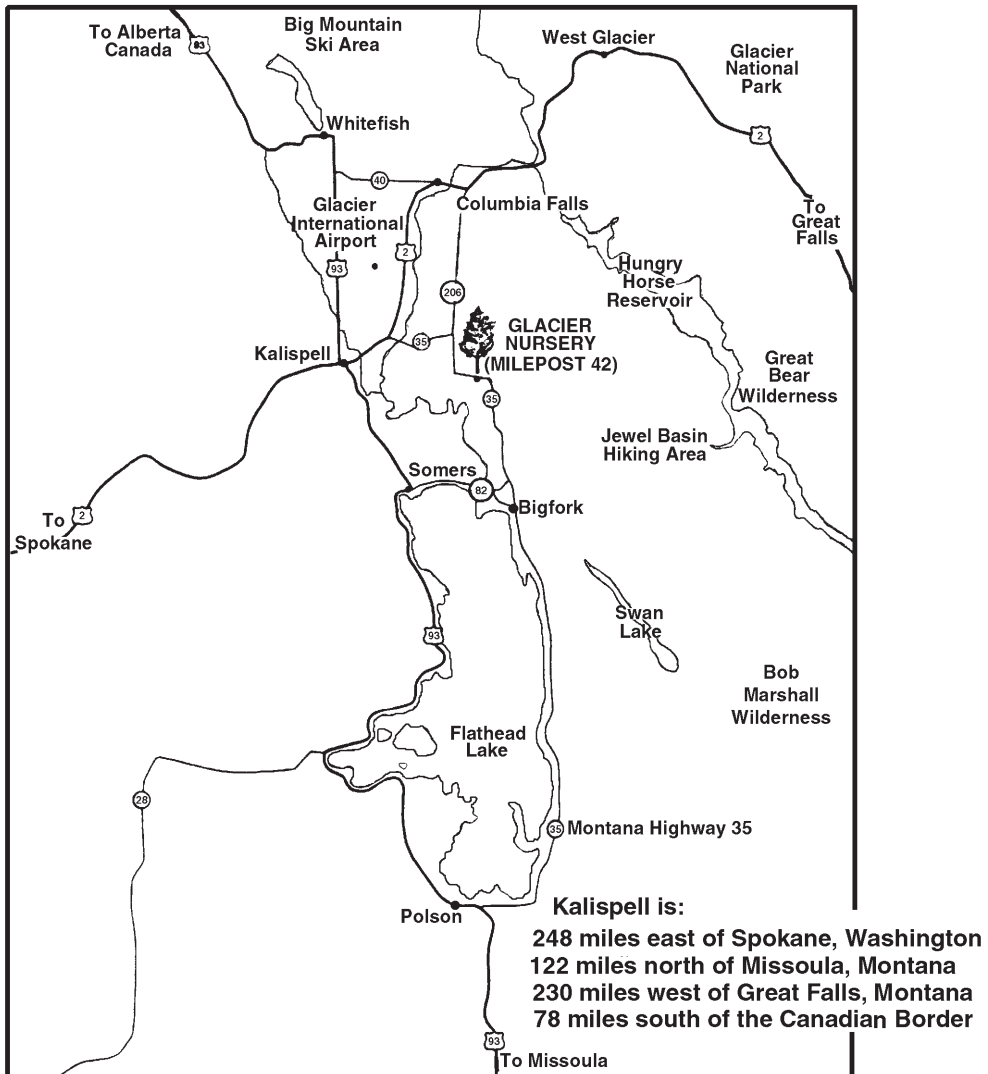
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