

Seed Characteristics of Some Native Species

common name	scientific name	yield	ease of harvest	1st harvest	ease of cleaning	planting duration	insect problem	stratify	shatter	seed size	harvest
Yarrow	<i>Achillea millefolium</i>	high	easy	same yr	easy	short	no	no	low	2835k/lb	early Sept
Agoseris	<i>Agoseris grandiflora</i>	medium	medium	same yr	medium	short	no	no	high	274k/lb	early July
Tapertip onion	<i>Allium acuminatum</i>	low	medium	3+	easy	long	no	yes	medium	254k/lb	July
Foothills arnica	<i>Arnica sororia</i>	low	medium	2+	medium	long?	no	yes	low	406k/lb	late July
Western aster	<i>Aster occidentalis</i>	medium	medium	1	medium	medium	no	no	high	1292k/lb	late Sept
Balsamroot	<i>Balsamorhiza sagittata</i>	low-med	medium	3+	medium	long	yes	yes	medium	61.6k/lb	early July
Red besseya	<i>Besseya rubra</i>	low	medium	?	easy	?	no	yes	medium	small	late June
Brodiaea	<i>Brodiaea douglasii</i>	low	medium	4+	easy	long	no	yes	medium	medium	late June
Common camas	<i>Camassia quamash</i>	medium	easy	4+	easy	long	no	yes	medium	130k	early July
Paintbrush	<i>Castilleja</i> spp.	medium	medium	2	medium	long	no	yes	medium	small	late June
Elkhorn clarkia	<i>Clarkia pulchella</i>	low	medium	annual	easy	annual	no	no	high	2090k/lb	Aug
Blue-eyed Mary	<i>Collinsia parviflora</i>	very low	difficult	annual	easy	annual	no	no	high	350k/lb	late May
Collomia	<i>Collomia grandiflora</i>	high	difficult	annual	easy	annual	no	no	high	147k/lb	Aug
Upland larkspur	<i>Delphinium nuttallianum</i>	low	med-diff	2+	easy	long?	no	yes	high	617k/lb	June
Blanketflower	<i>Gaillardia aristata</i>	high	medium	1	difficult	short-med	no	no	medium	186k/lb	Aug-Sept
Northern bedstraw	<i>Galium boreale</i>	medium	easy	1	easy	long	no	no?	low	726k/lb	Sept
Prairie Gentian	<i>Gentiana affinis</i>	low	medium	2	easy	long	no	yes	medium	very small	Sept
Sticky Geranium	<i>Geranium viscosissimum</i>	high	difficult	1	easy	medium	no	scarify	high	54.8k/lb	late June
Prairie smoke	<i>Geum triflorum</i>	medium	medium	1	difficult	long	no	no	medium	450k/lb	late June
False sunflower	<i>Helianthella uniflora</i>	medium	easy	2-3	easy	long?	yes	no?	low	41.1k/lb	late July
Alumroot	<i>Heuchera cylindrica</i>	medium	medium	1	easy	long	no	yes	medium	7560k/lb	late July
Western iris	<i>Iris missouriensis</i>	low-med	medium	2+	easy	long	yes	yes	low	23.3k/lb	Aug
Prairie flax	<i>Linum lewisii</i>	medium	easy	1	easy	medium	no	no	low	295k	late July
Prairie star	<i>Lithophragma</i> spp.	very low	difficult	2+	medium	long?	yes	yes	medium	very small	early June
Puccoon	<i>Lithospermum ruderale</i>	low	medium	2	easy	long?	no	yes	medium	230k	Aug
Fernleaf biscuitroot	<i>Lomatium dissectum</i>	medium	easy	2+	easy	long	yes	yes	medium	45k/lb	late June
Nine-leaf biscuitroot	<i>Lomatium triternatum</i>	medium	easy	2	easy	long	no?	yes	medium	100k	late June
Velvet lupine	<i>Lupinus leucophyllus</i>	medium	difficult	same yr	easy	short	yes	scarify	high	large	mid July
Silky lupine	<i>Lupinus sericeus</i>	medium	difficult	same yr	easy	short	yes	scarify	high	24.5k	mid July
Yellow penstemon	<i>Penstemon confertus</i>	medium	medium	1	easy	medium?	no	yes	medium	4629k/lb	early Aug
Tall cinquefoil	<i>Potentilla arguta</i>	medium	medium	1	easy	medium?	no	yes	medium	4404k/lb	mid July
Slender cinquefoil	<i>Potentilla gracilis</i>	med-low	medium	2	easy	medium	no	yes	medium	1712k/lb	late July
Checkermallow	<i>Sidalcea oregana</i>	medium	medium	1-2	medium	medium	no	yes?	med-high	158k/lb	early Aug
Douglas' silene	<i>Silene douglasii</i>	low	medium	2	medium	long?	yes	yes	medium	small	mid July
Grass widows	<i>Sisyrinchium inflatum</i>	low	medium	2+	easy	long?	no	yes	medium	medium	July
Missouri goldenrod	<i>Solidago missouriensis</i>	medium	medium	1	medium	long	yes	no	medium	1998k/lb	early Sept
Mule's ears	<i>Wyethia amplexicaulis</i>	low	easy	3+	medium	long	yes	yes	medium	28.2k/lb	mid Aug

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common name	scientific name	remarks
Yarrow	<i>Achillea millefolium</i>	Beware of European imports,
Agoseris	<i>Agoseris grandiflora</i>	Wind-born seed, indeterminate
Tapertip onion	<i>Allium acuminatum</i>	slow to flower, small plants
Foothills arnica	<i>Arnica sororia</i>	
Western aster	<i>Aster occidentalis</i>	Wind-born seed, indeterminate
Balsamroot	<i>Balsamorhiza sagittata</i>	slow to flower, insect damaged seed is common, birds eat seeds
Red besseya	<i>Besseya rubra</i>	slow growing, small plants
Brodiaea	<i>Brodiaea douglasii</i>	slow to flower
Common camas	<i>Camassia quamash</i>	very slow to flower
Paintbrush	<i>Castilleja</i> spp.	root parasite, needs host plant
Elkhorn clarkia	<i>Clarkia pulchella</i>	indeterminate
Blue-eyed Mary	<i>Collinsia parviflora</i>	very small plants, indeterminate, winter annual
Collomia	<i>Collomia grandiflora</i>	expels seed explosively when ripe, indeterminate
Upland larkspur	<i>Delphinium nuttallianum</i>	indeterminate
Blanketflower	<i>Gaillardia aristata</i>	seed bristles cause handling problems, aggressive removal affects germination
Northern bedstraw	<i>Galium boreale</i>	holds seed well
Prairie Gentian	<i>Gentiana affinis</i>	indeterminate, germination difficult
Sticky Geranium	<i>Geranium viscosissimum</i>	indeterminate, shatters quickly
Prairie smoke	<i>Geum triflorum</i>	feathery style on seed affects handling, indeterminate
False sunflower	<i>Helianthella uniflora</i>	holds seed well, subject to seed insects
Alumroot	<i>Heuchera cylindrica</i>	holds seed well if no wind
Western iris	<i>Iris missouriensis</i>	germinates best from fresh seed sown immediately after ripening, holds seed well
Prairie flax	<i>Linum lewisii</i>	Beware of European imports
Prairie star	<i>Lithophragma</i> spp.	does not always produce flowers, very small plants
Puccoon	<i>Lithospermum ruderale</i>	low germination
Biscuitroot	<i>Lomatium</i> spp.	seed insects common
Velvet lupine	<i>Lupinus leucophyllus</i>	shatters readily
Sulphur penstemon	<i>Penstemon attenuatus</i>	holds seed well
Cinquefoil	<i>Potentilla</i> spp.	hold seed well if no wind
Checkermallow	<i>Sidalcea oregana</i>	subject to lodging
Douglas' silene	<i>Silene douglasii</i>	seed insects common
Grass widows	<i>Sisyrinchium inflatum</i>	slow to flower
Missouri goldenrod	<i>Solidago missouriensis</i>	wind-born seed, seed production declines rapidly
Mule's ears	<i>Wyethia amplexicaulis</i>	slow to flower, seed insects common