

## Starflower Seed Mixes for Restoration Projects



Starflower Foundation employed an innovative restoration process in its many restoration projects. As part of this process Starflower staff developed and tested a variety of seed mixes for different habitat types. Use the links below to find suggested mixes for your project.

- [Dry Sun - 2007 SF Seed Mixes \(PDF\)](#)
- [Moist Sun - 2007 SF Seed Mixes \(PDF\)](#)
- [Moist Sun Peat - 2007 SF Seed Mixes \(PDF\)](#)
- [Wet Sun - 2007 SF Seed Mixes \(PDF\)](#)
- [Wet Sun Peat - 2007 SF Seed Mixes \(PDF\)](#)
- [Moist Shade - 2007 SF Seed Mixes \(PDF\)](#)
  
- [All Seed Mixes - 2007 SF \(XLS\)](#) - Use this Excel spreadsheet to customize any of the above mixes

## 2007 Dry Sun Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
<i>Achillea millefolium</i>	yarrow	3.71	3.1%
<i>Allium cernuum</i>	nodding onion	6.00	4.9%
<i>Anaphalis margaritacea</i>	pearly everlasting	1.50	1.2%
<i>Aquilegia formosa</i>	red columbine	2.00	1.6%
<i>Armeria maritima</i>	sea-pink, thrift	3.50	2.9%
<i>Artemisia suksdorfii</i>	Suksdorf's mugwort	2.00	1.6%
<i>Aruncus dioicus</i>	goat's beard	1.00	0.8%
<i>Balsamorhiza deltooides</i>	deltoid balsamroot	4.50	3.7%
<i>Bidens cernua</i>	nodding beggarsticks	4.00	3.3%
<i>Camassia leichtlinii</i>	great camas	3.00	2.5%
<i>Camassia quamash</i>	common camas	3.50	2.9%
<i>Carex deweyana</i>	Dewey's sedge	1.00	0.8%
<i>Carex obnupta</i>	slough sedge	6.00	4.9%
<i>Castilleja hispida</i>	harsh paintbrush	0.35	0.3%
<i>Cerastium arvense</i>	field chickweed	3.00	2.5%
<i>Claytonia perfoliata</i>	miner's lettuce	3.00	2.5%
<i>Claytonia sibirica</i>	Siberian miner's lettuce	1.00	0.8%
<i>Collomia heterophylla</i>	vari-leaved collomia	1.00	0.8%
<i>Delphinium nuttallii</i>	Nuttall's Larkspur	0.80	0.7%
<i>Epilobium angustifolium</i>	fireweed	1.90	1.6%
<i>Erigeron speciosus</i>	showy fleabane	2.00	1.6%
<i>Fragaria vesca</i>	woodland strawberry	0.40	0.3%
<i>Fritillaria affinis (lanceolata)</i>	chocolate lily	1.50	1.2%
<i>Geum macrophyllum</i>	large-leaved avens	2.00	1.6%
<i>Gilia capitata</i>	globe gilia	4.00	3.3%
<i>Iris tenax</i>	Oregon iris	4.75	3.9%
<i>Juncus bufonius</i>	toad rush	1.00	0.8%
<i>Juncus ensifolius</i>	daggerleaf rush	2.00	1.6%
<i>Lathyrus polyphyllus</i>	leafy peavine	2.00	1.6%
<i>Lilium columbianum</i>	Columbia lily	1.50	1.2%
<i>Lomatium nudicaule</i>	Indian consumption plant	6.50	5.4%
<i>Lomatium utriculatum</i>	spring-gold	6.50	5.4%
<i>Lotus purshiana</i>	Spanish clover	6.00	4.9%
<i>Lupinus micranthus</i>	small-flowered lupine	14.00	11.5%
<i>Luzula multiflora</i>	many-flowered woodrush	1.01	0.8%
<i>Luzula parviflora</i>	small-flowered woodrush	0.40	0.3%
<i>Osmorhiza chilensis</i>	mountain sweet cicely	1.00	0.8%
<i>Penstemon procerus</i>	small-flowered penstemon	1.50	1.2%
<i>Petasites frigidus v. palmatus</i>	palmate coltsfoot	1.50	1.2%
<i>Plectritis congesta</i>	seablush	2.04	1.7%
<i>Potentilla gracilis</i>	graceful cinquefoil	3.00	2.5%
<i>Smilacina racemosa</i>	false solomon seal	1.00	0.8%
<i>Tellima grandiflora</i>	fringecup	2.00	1.6%
<i>Vancouveria hexandra</i>	inside-out-flower	1.00	0.8%
		121.36	100.0%

## 2007 Moist Sun Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
<i>Achillea millefolium</i>	yarrow	2.00	1.2%
<i>Alisma plantago-aquatica</i>	broadleaf water-plantain	6.00	3.5%
<i>Aquilegia formosa</i>	red columbine	2.00	1.2%
<i>Artemisia suksdorfii</i>	Suksdorf's mugwort	2.00	1.2%
<i>Aruncus dioicus</i>	goat's beard	2.00	1.2%
<i>Aster subspicatus</i>	Douglas' aster	1.50	0.9%
<i>Balsamorhiza deltooides</i>	deltoid balsamroot	1.00	0.6%
<i>Bidens cernua</i>	nodding beggarsticks	8.00	4.7%
<i>Calamagrostis canadensis</i>	bluejoint reedgrass	8.00	4.7%
<i>Camassia leichtlinii</i>	great camas	2.00	1.2%
<i>Camassia quamash</i>	common camas	2.00	1.2%
<i>Carex athrostachya</i>	slenderbeak sedge	2.93	1.7%
<i>Carex densa</i>	dense sedge	3.00	1.8%
<i>Carex lenticularis</i>	shore sedge	1.00	0.6%
<i>Carex leporina</i>	harefoot sedge	0.50	0.3%
<i>Carex mertensii</i>	Merten's sedge	5.00	2.9%
<i>Carex obnupta</i>	slough sedge	12.00	7.0%
<i>Carex pachystachya</i>	thick-head sedge	2.10	1.2%
<i>Carex stipata</i>	sawbeak sedge	2.00	1.2%
<i>Carex unilateralis</i>	one-sided sedge	5.00	2.9%
<i>Carex vesicaria</i>	inflated sedge	0.50	0.3%
<i>Carex vulpinoidea</i>	fox sedge	1.50	0.9%
<i>Claytonia perfoliata</i>	miner's lettuce	2.00	1.2%
<i>Collinsia parviflora</i>	blue-eyed-mary	3.00	1.8%
<i>Collomia heterophylla</i>	vari-leaved collomia	1.00	0.6%
<i>Delphinium nuttallii</i>	Nuttall's Larkspur	0.20	0.1%
<i>Downingia elegans</i>	calico flower	2.40	1.4%
<i>Eleocharis ovata</i> (E. obtusa v. ovata)	ovoid spikerush	6.40	3.7%
<i>Eleocharis palustris</i>	creeping spikerush	2.00	1.2%
<i>Epilobium angustifolium</i>	fireweed	0.90	0.5%
<i>Erigeron speciosus</i>	showy fleabane	2.00	1.2%
<i>Fragaria vesca</i>	woodland strawberry	0.30	0.2%
<i>Fritillaria affinis</i> (lanceolata)	chocolate lily	1.25	0.7%
<i>Geum macrophyllum</i>	large-leaved avens	3.00	1.8%
<i>Gilia capitata</i>	globe gilia	3.50	2.0%
<i>Iris tenax</i>	Oregon iris	3.00	1.8%
<i>Juncus acuminatus</i>	tapertip rush	1.50	0.9%
<i>Juncus balticus</i>	Baltic rush	4.80	2.8%
<i>Juncus bolanderi</i>	Bolander's rush	1.00	0.6%
<i>Juncus bufonius</i>	toad rush	1.00	0.6%
<i>Lilium columbianum</i>	Columbia lily	1.50	0.9%
<i>Lotus purshiana</i>	Spanish clover	4.00	2.3%
<i>Lupinus lepidus</i>	prairie lupine	3.00	1.8%
<i>Lupinus micranthus</i>	small-flowered lupine	14.00	8.2%
<i>Luzula multiflora</i>	many-flowered woodrush	3.00	1.8%
<i>Luzula parviflora</i>	small-flowered woodrush	0.80	0.5%
<i>Mentha arvensis</i>	field mint	0.58	0.3%
<i>Mimulus guttatus</i>	yellow monkeyflower	5.50	3.2%

## 2007 Moist Sun Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
<i>Myosotis laxa</i>	small-flowered forget-me-not	0.50	0.3%
<i>Oenanthe sarmentosa</i>	water parsley	1.50	0.9%
<i>Osmorhiza chilensis</i>	mountain sweet cicely	4.00	2.3%
<i>Penstemon procerus</i>	small-flowered penstemon	0.70	0.4%
<i>Penstemon serrulatus</i>	coast penstemon	1.00	0.6%
<i>Petasites frigidus v. palmatus</i>	palmate coltsfoot	1.50	0.9%
<i>Plectritis congesta</i>	seablush	3.00	1.8%
<i>Potentilla anserina ssp. pacifica</i>	silverweed	2.87	1.7%
<i>Potentilla gracilis</i>	graceful cinquefoil	1.00	0.6%
<i>Rhinanthus crista-galli</i>	yellow rattle	2.00	1.2%
<i>Scirpus microcarpus</i>	small-fruited bulrush	2.00	1.2%
<i>Sisyrinchium idahoense</i>	Idaho blue-eyed-grass	0.13	0.1%
<i>Smilacina racemosa</i>	false solomon seal	1.00	0.6%
<i>Smilacina stellata</i>	star-flowered solomon seal	2.00	1.2%
<i>Stachys pilosa</i>	swamp hedge-nettle	0.13	0.1%
<i>Tellima grandiflora</i>	fringecup	2.00	1.2%
<i>Trifolium wormskjoldii</i>	springbank clover	1.00	0.6%
<i>Vancouveria hexandra</i>	inside-out-flower	1.00	0.6%
<i>Veronica scutellata</i>	marsh speedwell	0.27	0.2%
		171.25	100.0%

## 2007 Moist Sun Peat Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
<i>Aster subspicatus</i>	Douglas' aster	1.00	1.8%
<i>Camassia leichtlinii</i>	great camas	0.50	0.9%
<i>Carex aquatilis</i>	water sedge	1.00	1.8%
<i>Carex athrostachya</i>	slenderbeak sedge	2.00	3.7%
<i>Carex aurea</i>	golden sedge	1.40	2.6%
<i>Carex densa</i>	dense sedge	0.25	0.5%
<i>Carex lenticularis</i>	shore sedge	1.00	1.8%
<i>Carex obnupta</i>	slough sedge	6.00	11.0%
<i>Carex stipata</i>	sawbeak sedge	1.50	2.8%
<i>Carex vulpinoidea</i>	fox sedge	0.50	0.9%
<i>Collinsia parviflora</i>	blue-eyed-mary	1.00	1.8%
<i>Downingia elegans</i>	calico flower	2.00	3.7%
<i>Eleocharis ovata</i> (E. obtusa v. ovata)	ovoid spikerush	8.00	14.7%
<i>Epilobium angustifolium</i>	fireweed	0.20	0.4%
<i>Erigeron speciosus</i>	showy fleabane	1.00	1.8%
<i>Fritillaria affinis</i> (lanceolata)	chocolate lily	0.25	0.5%
<i>Gentiana sceptrum</i>	king gentian	2.20	4.1%
<i>Geum macrophyllum</i>	large-leaved avens	1.00	1.8%
<i>Gilia capitata</i>	globe gilia	2.50	4.6%
<i>Iris tenax</i>	Oregon iris	0.25	0.5%
<i>Juncus acuminatus</i>	tapertip rush	3.50	6.4%
<i>Juncus bufonius</i>	toad rush	1.00	1.8%
<i>Lotus purshiana</i>	Spanish clover	2.00	3.7%
<i>Lupinus micranthus</i>	small-flowered lupine	2.00	3.7%
<i>Luzula multiflora</i>	many-flowered woodrush	0.50	0.9%
<i>Mimulus guttatus</i>	yellow monkeyflower	2.00	3.7%
<i>Oenanthe sarmentosa</i>	water parsley	1.00	1.8%
<i>Osmorhiza chilensis</i>	mountain sweet cicely	0.50	0.9%
<i>Petasites frigidus</i> v. palmatus	palmate coltsfoot	0.50	0.9%
<i>Plectritis congesta</i>	seablush	2.00	3.7%
<i>Potentilla anserina</i> ssp. pacifica	silverweed	1.00	1.8%
<i>Tofieldia glutinosa</i>	sticky false asphodel	4.75	8.7%
		54.30	100.0%

## 2007 Wet Sun Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
Carex densa	dense sedge	0.25	0.7%
Carex obnupta	slough sedge	6.00	17.5%
Carex unilateralis	one-sided sedge	3.50	10.2%
Carex vesicaria	inflated sedge	2.00	5.8%
Carex vulpinoidea	fox sedge	0.50	1.5%
Eleocharis palustris	creeping spikerush	8.00	23.4%
Glyceria elata	tall mannagrass	3.00	8.8%
Juncus bolanderi	Bolander's rush	0.50	1.5%
Juncus ensifolius	daggerleaf rush	1.00	2.9%
Sagittaria latifolia	wapato	1.50	4.4%
Scirpus acutus	hardstem bulrush	2.00	5.8%
Scirpus americanus	American bulrush	1.00	2.9%
Sparganium eurycarpum	giant burreed	5.00	14.6%
		34.25	100.0%

## 2007 Wet Sun Peat Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
Alisma plantago-aquatica	broadleaf water-plantain	6.00	23.9%
Carex aquatilis	water sedge	1.56	6.2%
Carex athrostachya	slenderbeak sedge	1.00	4.0%
Carex densa	dense sedge	0.50	2.0%
Carex lenticularis	shore sedge	0.50	2.0%
Carex obnupta	slough sedge	6.00	23.9%
Carex vulpinoidea	fox sedge	0.50	2.0%
Eleocharis palustris	creeping spikerush	6.00	23.9%
Sagittaria latifolia	wapato	1.00	4.0%
Scirpus lacustris spp. validus	softstem bulrush	2.00	8.0%
		25.06	100.0%

## 2007 Moist Shade Mix

<b>Genus species</b>	<b>Common Name</b>	<b>Ounces</b>	<b>% of Mix</b>
Achlys triphylla	vanilla leaf	7.50	8.9%
Aquilegia formosa	red columbine	2.00	2.4%
Aruncus dioicus	goat's beard	2.00	2.4%
Asarum caudatum	wild ginger	1.70	2.0%
Bidens cernua	nodding beggarsticks	4.00	4.7%
Carex athrostachya	slenderbeak sedge	1.00	1.2%
Carex deweyana	Dewey's sedge	1.42	1.7%
Carex mertensii	Merten's sedge	5.00	5.9%
Carex obnupta	slough sedge	12.00	14.2%
Carex pachystachya	thick-head sedge	4.00	4.7%
Carex vulpinoidea	fox sedge	0.50	0.6%
Chimaphila umbellata	pipressewa	0.07	0.1%
Claytonia perfoliata	miner's lettuce	4.00	4.7%
Claytonia sibirica	Siberian miner's lettuce	1.00	1.2%
Collomia heterophylla	vari-leaved collomia	1.00	1.2%
Cornus unalaschkensis	Bunchberry	2.00	2.4%
Dicentra formosa ** must seed fresh	bleeding heart	4.50	5.3%
Erigeron speciosus	showy fleabane	1.50	1.8%
Fragaria vesca	woodland strawberry	0.30	0.4%
Glyceria elata	tall mannagrass	2.00	2.4%
Glyceria grandis	reed mannagrass	1.00	1.2%
Heracleum lanatum	cow parsnip	6.50	7.7%
Hydrophyllum tenuipes	Pacific waterleaf	0.80	0.9%
Luzula parviflora	small-flowered woodrush	2.90	3.4%
Mimulus guttatus	yellow monkeyflower	0.50	0.6%
Osmorhiza chilensis	mountain sweet cicely	4.00	4.7%
Penstemon serrulatus	coast penstemon	0.50	0.6%
Petasites frigidus v. palmatus	palmate coltsfoot	1.00	1.2%
Smilacina racemosa	false solomon seal	1.00	1.2%
Smilacina stellata	star-flowered solomon seal	3.00	3.5%
Tellima grandiflora	fringecup	5.83	6.9%
		84.52	100.0%