

Customize Options to Suit Site Conditions

← Pick an Ecoregion

Xeric (dry)
 Mesic (medium)
 Hydric (wet)

Prairie
 Savanna
 Wetland
 Woodland

Long Term Program
 Short Term Program

Monarch Preferred Species
 Forage and Biomass (512) Planting



**United States
Department of
Agriculture**

Natural Resources Conservation Service

CHOOSE A RATE SPECIFICATION:

lbs/acre PLS (check a mix)
 Seeds/ft2 PLS (design a mix)

To override default cost, enter your cost in the applicable cell.

Criteria Revision Update 5/26/2020
Species Information Update 8/26/2021

CHOOSE YOUR GRASSES

← Input quantity →

| Common Name | Scientific Name | Lbs / acre PLS | Seeds / ft2 PLS | Coefficient of Conservatism | Estimated Cost (\$/lb) | # Seeds / ft ² @ 1 lb. / ac | Pure Stand PLS Rate lbs / ac | % of Mix | Estimated Cost (\$/ac) | Functional Group |
|---------------------------|--------------------------|----------------|-----------------|-----------------------------|------------------------|--|------------------------------|----------|------------------------|-----------------------------|
| | | | | | | | | | | |
| 1 Sedge, Shallow | Carex lurida | 0.057 | | 7 | \$225 | 4.4 | 7.9 | 2.5% | \$13 | Perennial Cool Season Sedge |
| | Bunch | | 0.25 | | | | | | | |
| 2 Sedge, Fox | Carex vulpinoidea | 0.034 | | 3 | \$100 | 29.8 | 1.2 | 10.1% | \$3 | Perennial Cool Season Sedge |
| | Bunch | | 1.01 | | | | | | | |
| 3 Rush, Common | Juncus effusus | 0.0014 | | 4 | \$150 | 367.3 | 0.10 | 5.1% | \$0.21 | Perennial Cool Season Rush |
| | Bunch | | 0.51 | | | | | | | |
| 4 Mannagrass, Fowl | Glyceria striata | 0.013 | | 4 | \$450 | 36.7 | 1.0 | 4.8% | \$6 | Perennial Cool Season Grass |
| | Rhizomatous | | 0.48 | | | | | | | |
| 5 Cutgrass, Rice | Leersia oryzoides | 0.020 | | 3 | \$240 | 12.5 | 2.8 | 2.5% | \$5 | Perennial Cool Season Grass |
| | Rhizomatous | | 0.25 | | | | | | | |
| 6 | | | | | | | | | \$0.00 | |
| 7 | | | | | | | | | \$0.00 | |
| 8 | | | | | | | | | \$0.00 | |
| 9 | | | | | | | | | \$0.00 | |
| 10 | | | | | | | | | \$0.00 | |
| 11 | | | | | | | | | \$0.00 | |
| 12 | | | | | | | | | \$0.00 | |
| 13 | | | | | | | | | \$0.00 | |
| 14 | | | | | | | | | \$0.00 | |
| 15 | | | | | | | | | \$0.00 | |
| 16 | | | | | | | | | \$0.00 | |
| 17 | | | | | | | | | \$0.00 | |
| 18 | | | | | | | | | \$0.00 | |
| 19 | | | | | | | | | \$0.00 | |
| 20 | | | | | | | | | \$0.00 | |
| 21 | | | | | | | | | \$0.00 | |
| 22 | | | | | | | | | \$0.00 | |
| 23 | | | | | | | | | \$0.00 | |
| 24 | | | | | | | | | \$0.00 | |
| 25 | | | | | | | | | \$0.00 | |

| | | | | | | | | | | | |
|----|--|--|--|--|--|--|--|--|--|--------|--|
| 27 | | | | | | | | | | \$0.00 | |
| 28 | | | | | | | | | | \$0.00 | |
| 29 | | | | | | | | | | \$0.00 | |
| 30 | | | | | | | | | | \$0.00 | |

| | | | | | | | |
|-----------------|------------------|----------------|-----------------------------|------------|----------------------------------|-------------|------|
| | Species Richness | lbs / acre PLS | seeds / ft ² PLS | Average CC | ESTIMATED GRAMINOID COST (\$/AC) | OST (\$/AC) | \$27 |
| GRAMINOID TOTAL | 5 | 0.13 | 2.51 | 4.2 | | | |

CHOOSE YOUR FORBS/LEGUMES ↩ Input quantity ↪

| Common Name <small>*Select Plants</small> | Scientific Name <small>*Select Bloom Period below Scientific Name</small> | Lbs / acre PLS | Seeds / ft ² PLS | Coefficient of Conservatism | Estimated Cost (\$/lb) | # Seeds / ft ² @ 1 lb. / ac | Pure Stand PLS Rate lbs / ac | % of Mix | Estimated Cost (\$/ac) | Functional Group | Monarch Preferred | |
|--|--|-----------------------|-----------------------------|-----------------------------|------------------------|--|------------------------------|----------|------------------------|------------------|-------------------|--|
| | | Equivalent rate below | | | | | | | | | | |
| 1 Anemone, Meadow <small>Input bloom period -></small> | <i>Anemone canadensis</i> <small>Early</small> | 0.052 | 0.15 | 4 | \$300 | 2.9 | 11.9 | 1.5% | \$16 | Perennial Forb | | |
| 2 Beggarstick, Bearded <small>Input bloom period -></small> | <i>Bidens aristosa</i> <small>Late</small> | 0.16 | 0.51 | 1 | \$75 | 3.2 | 11.1 | 5.1% | \$12 | Annual Forb | X | |
| 3 Aster, New England <small>Input bloom period -></small> | <i>Symphotrichum novae-angliae</i> <small>Late</small> | 0.041 | 0.99 | 4 | \$300 | 24.2 | 1.4 | 9.9% | \$12 | Perennial Forb | X | |
| 4 Goldenrod, Flat-top Goldentop (Grass-l) <small>Input bloom period -></small> | <i>Euthamia graminifolia</i> <small>Late</small> | 0.0012 | 0.15 | 3 | \$1,500 | 128.6 | 0.3 | 1.5% | \$2 | Perennial Forb | X | |
| 5 Cardinal Flower <small>Input bloom period -></small> | <i>Lobelia cardinalis</i> <small>Late</small> | 0.0010 | 0.15 | 6 | \$1,200 | 146.9 | 0.2 | 1.5% | \$1 | Perennial Forb | X | |
| 6 Horehound, American Water <small>Input bloom period -></small> | <i>Lycopus americanus</i> <small>Mid</small> | 0.021 | 1.00 | 3 | \$225 | 47.8 | 0.7 | 10.0% | \$5 | Perennial Forb | | |
| 7 Boneset, Common <small>Input bloom period -></small> | <i>Eupatorium perfoliatum</i> <small>Mid</small> | 0.019 | 1.12 | 4 | \$300 | 58.8 | 0.6 | 11.2% | \$6 | Perennial Forb | X | |
| 8 Verbena, Swamp (Blue) <small>Input bloom period -></small> | <i>Verbena hastata</i> <small>Mid</small> | 0.029 | 0.99 | 3 | \$640 | 34.2 | 1.0 | 9.9% | \$19 | Perennial Forb | X | |
| 9 Meadow-Rue, Purple <small>Input bloom period -></small> | <i>Thalictrum dasycarpum</i> <small>Early</small> | 0.038 | 0.15 | 5 | \$300 | 4.0 | 8.7 | 1.5% | \$11 | Perennial Forb | | |
| 10 Susan, Browneyed <small>Input bloom period -></small> | <i>Rudbeckia triloba</i> <small>Late</small> | 0.078 | 1.00 | 3 | \$90 | 12.9 | 2.7 | 10.0% | \$7 | Biennial Forb | X | |
| 11 Mountainmint, Virginia (Common) <small>Input bloom period -></small> | <i>Pycnanthemum virginianum</i> <small>Late</small> | 0.012 | 0.97 | 5 | \$450 | 80.8 | 0.4 | 9.7% | \$5 | Perennial Forb | X | |
| 12 Iris, Shreve's (Blueflag) <small>Input bloom period -></small> | <i>Iris virginica var. shrevei</i> <small>Early</small> | 0.41 | 0.15 | 5 | \$150 | 0.4 | 95.3 | 1.5% | \$62 | Perennial Forb | | |
| 13 Ironweed, Missouri <small>Input bloom period -></small> | <i>Vernonia missurica</i> <small>Late</small> | 0.020 | 0.16 | 5 | \$480 | 8.1 | 4.3 | 1.6% | \$10 | Perennial Forb | X | |
| 14 | | | | | | | | | \$0.00 | | | |
| 15 | | | | | | | | | \$0.00 | | | |
| 16 | | | | | | | | | \$0.00 | | | |
| 17 | | | | | | | | | \$0.00 | | | |
| 18 | | | | | | | | | \$0.00 | | | |
| 19 | | | | | | | | | \$0.00 | | | |
| 20 | | | | | | | | | \$0.00 | | | |
| 21 | | | | | | | | | \$0.00 | | | |
| 22 | | | | | | | | | \$0.00 | | | |
| 23 | | | | | | | | | \$0.00 | | | |

| | lbs / acre PLS | seeds / ft ² PLS | Average CC | Species Richness | Floristic Quality Index | | ESTIMATED GRAND TOTAL COST (\$/AC) |
|--------------------|-------------------|--------------------------------|---------------|---------------------|----------------------------|--|---------------------------------------|
| GRAND TOTAL | 1.01 | 10.0 | 4.0 | 18 | 17.0 | | \$194 |