

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 <i>*Select Plants</i> | Scientific Name <i>Growth Form</i> | 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 |
|--------------------------------------|---------------------------------------|-----------------------|-----------------|-----------------------------|------------------------|---|---------------------------------|----------|------------------------|------------------|
| | | Equivalent rate below | | | | | | | | |
| 1 | | | | | | | | | \$0.00 | |
| 2 | | | | | | | | | \$0.00 | |
| 3 | | | | | | | | | \$0.00 | |
| 4 | | | | | | | | | \$0.00 | |
| 5 | | | | | | | | | \$0.00 | |
| 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) | \$0 |
| GRAMINOID TOTAL | 0 | 0.00 | 0.00 | 0.0 | | | |

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 |
|---|--|----------------|-----------------------------|-----------------------------|------------------------|--|------------------------------|----------|------------------------|------------------------|-------------------|
| 1 Alumroot <small>Input bloom period -></small> | <i>Heuchera richardsonii</i> <small>Early</small> | 0.00060 | 0.15 | 8 | \$900 | 252.5 | 0.1 | 2.0% | \$0.54 | Perennial Forb | |
| 2 Ragwort, Golden <small>Input bloom period -></small> | <i>Packera aurea</i> <small>Early</small> | 0.0056 | 0.15 | 4 | \$2,124 | 26.8 | 1.3 | 2.0% | \$12 | Perennial Forb | |
| 3 Bundlesflower, Illinois <small>Input bloom period -></small> | <i>Desmanthus illinoensis</i> <small>Mid</small> | 0.40 | 0.56 | 4 | \$45 | 1.4 | 25.1 | 7.4% | \$18 | Perennial Forb, Legume | |
| 4 Ticktrefoil, Showy <small>Input bloom period -></small> | <i>Desmodium canadense</i> <small>Mid</small> | 0.0099 | 0.020 | 5 | \$150 | 2.0 | 17.3 | 0.3% | \$1 | Perennial Forb, Legume | |
| 5 Aster, Smooth Blue <small>Input bloom period -></small> | <i>Symphotrichum laeve</i> <small>Mid</small> | 0.0093 | 0.17 | 8 | \$300 | 18.4 | 1.9 | 2.3% | \$3 | Perennial Forb | X |
| 6 Bergamot, Wild <small>Input bloom period -></small> | <i>Monarda fistulosa</i> <small>Late</small> | 0.031 | 0.85 | 4 | \$150 | 27.5 | 1.3 | 11.3% | \$5 | Perennial Forb | X |
| 7 Coneflower, Eastern Purple <small>Input bloom period -></small> | <i>Echinacea purpurea</i> <small>Late</small> | 0.054 | 0.13 | 6 | \$45 | 2.4 | 14.4 | 1.7% | \$2 | Perennial Forb | X |
| 8 Woman's Tobacco (Plantain-Leaved Pu) <small>Input bloom period -></small> | <i>Antennaria plantaginifolia</i> <small>Early</small> | 0.0015 | 0.15 | 4 | \$3,200 | 101.0 | 0.3 | 2.0% | \$5 | Perennial Forb | |
| 9 Verbena, Hoary <small>Input bloom period -></small> | <i>Verbena stricta</i> <small>Late</small> | 0.0090 | 0.11 | 2 | \$75 | 12.3 | 2.9 | 1.5% | \$0.68 | Perennial Forb | X |
| 10 Mountainmint, Narrowleaf <small>Input bloom period -></small> | <i>Pycnanthemum tenuifolium</i> <small>Mid</small> | 0.012 | 1.67 | 4 | \$450 | 138.8 | 0.3 | 22.0% | \$5 | Perennial Forb | X |
| 11 Susan, Black-eyed <small>Input bloom period -></small> | <i>Rudbeckia hirta</i> <small>Late</small> | 0.055 | 1.89 | 2 | \$45 | 34.4 | 1.0 | 25.0% | \$2 | Biennial Forb | X |
| 12 Coreopsis, Lanceleaf Tickseed <small>Input bloom period -></small> | <i>Coreopsis lanceolata</i> <small>Mid</small> | 0.041 | 0.30 | 5 | \$1,280 | 7.3 | 4.8 | 4.0% | \$52 | Perennial Forb | X |
| 13 Coneflower, Pinnate Prairie (Gray-head) <small>Input bloom period -></small> | <i>Ratibida pinnata</i> <small>Late</small> | 0.0070 | 0.10 | 4 | \$60 | 14.3 | 2.4 | 1.3% | \$0.42 | Perennial Forb | |
| 14 Wild Indigo, White <small>Input bloom period -></small> | <i>Baptisia alba</i> <small>Late</small> | 0.0016 | 0.00100 | 6 | \$300 | 0.6 | 56.1 | 0.0% | \$0.48 | Perennial Forb, Legume | |
| 15 Oxeye, Smooth (False Sunflower) <small>Input bloom period -></small> | <i>Heliopsis helianthoides</i> <small>Late</small> | 0.021 | 0.050 | 4 | \$60 | 2.4 | 14.7 | 0.7% | \$1 | Perennial Forb | X |
| 16 Partridge Pea <small>Input bloom period -></small> | <i>Chamaecrista fasciculata</i> <small>Late</small> | 0.079 | 0.090 | 1 | \$25 | 1.1 | 30.7 | 1.2% | \$2 | Annual Forb, Legume | |
| 17 Prairie Clover, Purple <small>Input bloom period -></small> | <i>Dalea purpurea</i> <small>Late</small> | 0.19 | 1.19 | 8 | \$45 | 6.2 | 5.6 | 15.6% | \$9 | Perennial Forb, Legume | X |
| 18 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |
| 19 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |
| 20 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |
| 21 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |
| 22 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |
| 23 <small>Input bloom period -></small> | | | | | | | | | \$0.00 | | |

| | lbs / acre PLS | seeds / ft ² PLS | Average CC | Species Richness | Floristic Quality Index | | ESTIMATED GRAND TOTAL COST (\$/AC) |
|--------------------|-------------------|--------------------------------|---------------|---------------------|----------------------------|--|---------------------------------------|
| GRAND TOTAL | 0.93 | 7.6 | 4.6 | 17 | 19.2 | | \$120 |