

Customize Options to Suit Site Conditions



United States Department of Agriculture
 Natural Resources Conservation Service

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

Prairie
 Savanna
 Wetland
 Woodland

CHOOSE A RATE SPECIFICATION:

lbs/acre PLS
 Seeds/ft² PLS

Current Version 09/09/22

CHOOSE YOUR GRASSES

| Common Name | Scientific Name | Lbs / acre PLS | Seeds / ft ² PLS | Coefficient of Conservatism | # Seeds / ft ² @ 1 lb. / ac | % of Mix | Functional Group |
|--------------------|--------------------------------|-----------------------|-----------------------------|-----------------------------|--|----------|-----------------------------|
| | | Equivalent rate below | | | | | |
| Little Bluestem | Schizachyrium scoparium | | 3.000 | 7 | 5.5096 | 6.00% | Perennial Warm Season Grass |
| | Bunch | 0.545 | | | | | |
| Sideoats Grama | Bouteloua curtipendula | | 0.500 | 7 | 2.2039 | 1.00% | Perennial Warm Season Grass |
| | Rhizomatous | 0.227 | | | | | |
| Virginia Wildrye | Elymus virginicus | | 0.150 | 4 | 1.5427 | 0.30% | Perennial Cool Season Grass |
| | Bunch | 0.097 | | | | | |
| Fox Sedge | Carex vulpinoidea | | 3.000 | 3 | 36.7309 | 6.00% | Perennial Cool Season Sedge |
| | Bunch | 0.082 | | | | | |
| Prairie Oval Sedge | Carex brevior | | 0.100 | 4 | 10.6520 | 0.20% | Perennial Cool Season Sedge |
| | Bunch | 0.0094 | | | | | |
| Rough Dropseed | Sporobolus compositus | | 3.150 | 4 | 11.0193 | 6.30% | Perennial Warm Season Grass |
| | Bunch | 0.286 | | | | | |
| Troublesome Sedge | Carex molesta | | 0.100 | 3 | 9.1827 | 0.20% | Perennial Cool Season Sedge |
| | Bunch | 0.011 | | | | | |
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| | Species Richness | lbs / acre PLS | seeds / ft ² PLS | Average CC | | | |
| GRAMINOID TOTAL | 7 | 1.256 | 10.000 | 4.6 | | | |

CHOOSE YOUR FORBS/LEGUMES

| Common Name | Scientific Name <i>Flowering Period</i> | Lbs / acre PLS | Seeds / ft2 PLS | Coefficient of Conservatism | # Seeds / ft ² @ 1 lb. / ac | % of Mix | Functional Group |
|------------------------|--|-----------------------|-----------------|--------------------------------|---|----------|------------------------|
| | | Equivalent rate below | | | | | |
| Wild Prairie Onion | <i>Allium stellatum</i> Summer | 0.012 | 0.050 | 9 | 4.040 | 0.10% | Perennial Forb |
| Thimbleweed | <i>Anemone cylindrica</i> Summer | 0.0031 | 0.030 | 7 | 9.550 | 0.06% | Perennial Forb |
| Tall Thimbleweed | <i>Anemone virginiana</i> Summer | 0.00097 | 0.010 | 5 | 10.2847 | 0.02% | Perennial Forb |
| White Sage | <i>Artemisia ludoviciana</i> Summer, Fall | 0.011 | 1.000 | 4 | 91.8274 | 2.00% | Perennial Forb |
| Blue Vervain | <i>Verbena hastata</i> Summer, Fall | 0.029 | 1.000 | 4 | 34.1598 | 2.00% | Perennial Forb |
| Hoary Vervain | <i>Verbena stricta</i> Summer, Fall | 0.049 | 0.500 | 2 | 10.2847 | 1.00% | Perennial Forb |
| Wild Garlic | <i>Allium canadense</i> Spring, Summer | 0.049 | 0.010 | 4 | 0.2 | 0.02% | Perennial Forb |
| Illinois Ticktrefoil | <i>Desmodium illinoense</i> Summer | 0.0063 | 0.010 | 6 | 1.5794 | 0.02% | Perennial Forb, Legume |
| White Wild Indigo | <i>Baptisia alba</i> Summer | 0.016 | 0.010 | 7 | 0.6 | 0.02% | Perennial Forb, Legume |
| Butterfly Weed | <i>Asclepias tuberosa</i> Summer | 0.032 | 0.050 | 7 | 1.5794 | 0.10% | Perennial Forb |
| Swamp Milkweed | <i>Asclepias incarnata</i> Summer | 0.216 | 0.380 | 4 | 1.7631 | 0.76% | Perennial Forb |
| Sullivant's Milkweed | <i>Asclepias sullivantii</i> Summer | 0.0061 | 0.010 | 8 | 1.6529 | 0.02% | Perennial Forb |
| Whorled Milkweed | <i>Asclepias verticillata</i> Summer, Fall | 0.0025 | 0.010 | 1 | 4.0404 | 0.02% | Perennial Forb |
| Ohio Spiderwort | <i>Tradescantia ohiensis</i> Spring, Summer | 0.0034 | 0.010 | 4 | 2.9385 | 0.02% | Perennial Forb |
| Alumroot | <i>Heuchera richardsonii</i> Spring, Summer | 0.0019 | 0.500 | 8 | 257.1166 | 1.00% | Perennial Forb |
| Compass Plant | <i>Silphium laciniatum</i> Summer, Fall | 0.041 | 0.010 | 7 | 0.2 | 0.02% | Perennial Forb |
| Cup Plant | <i>Silphium perfoliatum</i> Summer, Fall | 0.019 | 0.010 | 2 | 0.5 | 0.02% | Perennial Forb |
| Prairie Rosinweed | <i>Silphium terebinthinaceum</i> Summer, Fall | 0.027 | 0.010 | 0 | 0.4 | 0.02% | Perennial Forb |
| Rosinweed | <i>Silphium integrifolium</i> Summer, Fall | 0.023 | 0.010 | 6 | 0.4 | 0.02% | Perennial Forb |
| New England Aster | <i>Symphyotrichum novae-angliae</i> Summer, Fall | 0.0021 | 0.050 | 4 | 24.2424 | 0.10% | Perennial Forb |
| Smooth Blue Aster | <i>Symphyotrichum laeve</i> Summer, Fall | 0.0025 | 0.050 | 8 | 20.2020 | 0.10% | Perennial Forb |
| Blue Sky Aster | <i>Symphyotrichum oolentangiense</i> Summer, Fall | 0.0017 | 0.050 | 8 | 29.3848 | 0.10% | Perennial Forb |
| Upland White Aster | <i>Oligoneuron album</i> Summer, Fall | 0.0021 | 0.050 | 9 | 23.5078 | 0.10% | Perennial Forb |
| Hairy Aster | <i>Symphyotrichum pilosum</i> Fall | 0.00097 | 0.050 | 1 | 51.4233 | 0.10% | Perennial Forb |
| Silky Aster | <i>Symphyotrichum sericeum</i> Fall | 0.0024 | 0.050 | 10 | 20.5693 | 0.10% | Perennial Forb |
| Black-eyed Susan | <i>Rudbeckia hirta</i> Summer, Fall | 0.104 | 3.500 | 3 | 33.7925 | 7.00% | Biennial Forb |
| Brown-eyed Susan | <i>Rudbeckia triloba</i> Summer, Fall | 0.160 | 2.000 | 4 | 12.4885 | 4.00% | Biennial Forb |
| Sweet Coneflower | <i>Rudbeckia subtomentosa</i> Summer, Fall | 0.019 | 0.300 | 6 | 15.7943 | 0.60% | Perennial Forb |
| Gray-headed Coneflower | <i>Ratibida pinnata</i> Summer, Fall | 0.136 | 1.500 | 4 | 11.0193 | 3.00% | Perennial Forb |
| Greenhead Coneflower | <i>Rudbeckia laciniata</i> Summer, Fall | 0.0058 | 0.030 | 4 | 5.1423 | 0.06% | Perennial Forb |

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|------------------------------------|----------------------------------|----------------|--------------|---|----------|-------|------------------------|
| Pale Purple Coneflower | Echinacea pallida | | 0.200 | 7 | 1.9100 | 0.40% | Perennial Forb |
| | Summer | 0.105 | | | | | |
| Boneset | Eupatorium perfoliatum | | 0.050 | 6 | 58.7695 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.00085 | | | | | |
| False Boneset | Brickellia eupatorioides | | 0.050 | 4 | 11.7539 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.0043 | | | | | |
| Tall Boneset | Eupatorium altissimum | | 0.050 | 3 | 18.3655 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.0027 | | | | | |
| Spotted Joe Pye Weed | Eutrochium maculatum | | 0.050 | 6 | 34.8944 | 0.10% | Perennial Forb |
| | Summer | 0.0014 | | | | | |
| Sweet Joe Pye Weed | Eupatorium purpureum | | 0.050 | 6 | 15.4270 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.0032 | | | | | |
| Canadian Milkvetch | Astragalus canadensis | | 1.000 | 5 | 6.2443 | 2.00% | Perennial Forb, Legume |
| | Summer | 0.160 | | | | | |
| Partridge Pea | Chamaecrista fasciculata | | 0.100 | 3 | 1.0 | 0.20% | Annual Forb, Legume |
| | Summer, Fall | 0.101 | | | | | |
| Illinois Bundle Flower | Desmanthus illinoensis | | 0.200 | 5 | 1.5427 | 0.40% | Perennial Forb, Legume |
| | Summer | 0.130 | | | | | |
| Common Milkweed | Asclepias syriaca | | 0.300 | 1 | 1.5743 | 0.60% | Perennial Forb |
| | Summer | 0.191 | | | | | |
| Cardinal Flower | Lobelia cardinalis | | 0.200 | 6 | 146.9238 | 0.40% | Perennial Forb |
| | Summer, Fall | 0.0014 | | | | | |
| Great Blue Lobelia | Lobelia siphilitica | | 1.150 | 4 | 183.6547 | 2.30% | Perennial Forb |
| | Summer, Fall | 0.0063 | | | | | |
| Great St. John's Wort | Hypericum ascyron | | 0.500 | 6 | 69.7888 | 1.00% | Perennial Forb |
| | Summer | 0.0072 | | | | | |
| Square-stemmed Monkeyflower | Mimulus ringens | | 1.000 | 4 | 844.8118 | 2.00% | Perennial Forb |
| | Summer, Fall | 0.0012 | | | | | |
| Virginia Mountain Mint | Pycnanthemum virginianum | | 1.000 | 4 | 80.8081 | 2.00% | Perennial Forb |
| | Summer, Fall | 0.012 | | | | | |
| Slender Mountain Mint | Pycnanthemum tenuifolium | | 0.300 | 5 | 138.8430 | 0.60% | Perennial Forb |
| | Summer, Fall | 0.0022 | | | | | |
| Large-flowered Beardtongue | Penstemon grandiflorus | | 0.500 | 7 | 5.1423 | 1.00% | Perennial Forb |
| | Spring, Summer | 0.097 | | | | | |
| Foxglove Beardtongue | Penstemon digitalis | | 1.500 | 5 | 47.7502 | 3.00% | Perennial Forb |
| | Summer | 0.031 | | | | | |
| Stiff Goldenrod | Oligoneuron rigidum | | 1.500 | 4 | 15.0597 | 3.00% | Perennial Forb |
| | Summer, Fall | 0.100 | | | | | |
| Showy Goldenrod | Solidago speciosa | | 0.300 | 7 | 34.8944 | 0.60% | Perennial Forb |
| | Summer, Fall | 0.0086 | | | | | |
| Old Field Goldenrod | Solidago nemoralis | | 2.000 | 5 | 110.1928 | 4.00% | Perennial Forb |
| | Summer, Fall | 0.018 | | | | | |
| Rough Blazing Star | Liatris aspera | | 0.050 | 8 | 5.8770 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.0085 | | | | | |
| Prairie Blazing Star | Liatris pycnostachya | | 0.050 | 7 | 4.0404 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.012 | | | | | |
| Meadow Blazing Star | Liatris ligulistylis | | 0.010 | 8 | 3.6731 | 0.02% | Perennial Forb |
| | Summer, Fall | 0.0027 | | | | | |
| Prairie Cinquefoil | Potentilla arguta | | 1.000 | 9 | 84.4812 | 2.00% | Perennial Forb |
| | Summer, Fall | 0.012 | | | | | |
| Tall Coreopsis | Coreopsis tripteris | | 0.030 | 4 | 5.1423 | 0.06% | Perennial Forb |
| | Summer, Fall | 0.0058 | | | | | |
| Prairie Sunflower | Helianthus pauciflorus | | 0.020 | 8 | 1.9515 | 0.04% | Perennial Forb |
| | Summer, Fall | 0.010 | | | | | |
| Maryland Senna | Senna marilandica | | 0.020 | 6 | 0.6 | 0.04% | Perennial Forb, Legume |
| | Summer | 0.032 | | | | | |
| Saw-tooth Sunflower | Helianthus grosseserratus | | 0.010 | 3 | 5.5096 | 0.02% | Perennial Forb |
| | Summer, Fall | 0.0018 | | | | | |
| Oxeye, False Sunflower | Heliopsis helianthoides | | 0.500 | 4 | 2.3140 | 1.00% | Perennial Forb |
| | Summer, Fall | 0.216 | | | | | |
| Wild Quinine | Parthenium integrifolium | | 0.020 | 9 | 2.5712 | 0.04% | Perennial Forb |
| | Summer, Fall | 0.0078 | | | | | |
| Flowering Spurge | Euphorbia corollata | | 0.010 | 5 | 2.9385 | 0.02% | Perennial Forb |
| | Summer | 0.0034 | | | | | |
| Golden Alexander's | Zizia aurea | | 0.500 | 7 | 4.0404 | 1.00% | Perennial Forb |
| | Spring, Summer | 0.124 | | | | | |
| Ironweed | Vernonia fasciculata | | 0.200 | 4 | 8.8154 | 0.40% | Perennial Forb |
| | Summer, Fall | 0.023 | | | | | |
| Obedient Plant | Physostegia virginiana | | 0.050 | 6 | 8.0808 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.0062 | | | | | |
| Round-headed Bush Clover | Lespedeza capitata | | 0.020 | 4 | 2.9385 | 0.04% | Perennial Forb, Legume |
| | Summer, Fall | 0.0068 | | | | | |
| Showy Ticktrefoil | Desmodium canadense | | 0.020 | 6 | 2.0202 | 0.04% | Perennial Forb, Legume |
| | Summer | 0.0099 | | | | | |
| Purple Prairie Clover | Dalea purpurea | | 3.000 | 7 | 6.6116 | 6.00% | Perennial Forb, Legume |
| | Summer, Fall | 0.454 | | | | | |
| White Prairie Clover | Dalea candida | | 3.000 | 9 | 6.9789 | 6.00% | Perennial Forb, Legume |
| | Summer, Fall | 0.430 | | | | | |

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|-------------------------|--------------------------|---------|-------|---|-----------|-------|---------------------|
| Heartleaf Alexander | Zizia aptera | | 0.020 | 8 | 4.4077 | 0.04% | Perennial Forb |
| | Spring | 0.0045 | | | | | |
| Rattlesnake Master | Eryngium yuccifolium | | 0.050 | 7 | 2.7548 | 0.10% | Perennial Forb |
| | Summer, Fall | 0.018 | | | | | |
| Seedbox | Ludwigia alternifolia | | 0.500 | 4 | 477.5023 | 1.00% | Perennial Forb |
| | Summer | 0.0010 | | | | | |
| Cream Gentian | Gentiana alba | | 1.000 | 5 | 51.4233 | 2.00% | Perennial Forb |
| | Summer, Fall | 0.019 | | | | | |
| Sneezeweed | Helenium autumnale | | 2.000 | 5 | 47.7502 | 4.00% | Perennial Forb |
| | Summer, Fall | 0.042 | | | | | |
| Common Evening Primrose | Oenothera biennis | | 1.000 | 2 | 33.0579 | 2.00% | Biennial Forb |
| | Summer, Fall | 0.030 | | | | | |
| Culver's Root | Veronicastrum virginicum | | 1.500 | 6 | 293.8476 | 3.00% | Perennial Forb |
| | Summer | 0.0051 | | | | | |
| Tall Bellflower | Campanula americana | | 0.100 | 4 | 62.4426 | 0.20% | Biennial Forb |
| | Summer, Fall | 0.0016 | | | | | |
| Wild Bergamot | Monarda fistulosa | | 0.500 | 3 | 25.7117 | 1.00% | Perennial Forb |
| | Summer, Fall | 0.019 | | | | | |
| Winged Loosestrife | Lythrum alatum | | 1.000 | 6 | 1101.9284 | 2.00% | Perennial Forb |
| | Summer, Fall | 0.00091 | | | | | |
| Wild Petunia | Ruellia humilis | | 0.020 | 5 | 1.9100 | 0.04% | Perennial Forb |
| | Summer | 0.010 | | | | | |
| Rattle Box | Crotalaria sagittalis | | 0.500 | 4 | 1.6529 | 1.00% | Annual Forb, Legume |
| | Summer, Fall | 0.303 | | | | | |

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|---------------------|------------------|----------------|-----------------------------|------------|
| | Species Richness | lbs / acre PLS | seeds / ft ² PLS | Average CC |
| FORBS/LEGUMES TOTAL | 81 | 3.789 | 39.950 | 5.3 |

CHOOSE YOUR VINE OR WOODY PLANT SPECIES

| Common Name | Scientific Name | Lbs / acre PLS | Seeds / ft ² PLS | Coefficient of Conservatism | # Seeds / ft ² @ 1 oz. / ac | % of Mix | Functional Group |
|-------------|-------------------|----------------|-----------------------------|-----------------------------|--|----------|-------------------|
| Lead Plant | Amorpha canescens | | 0.050 | 8 | 5.8770 | 0.10% | Sub-Shrub, Legume |
| | Summer | 0.0085 | | | | | |

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|--------------------------|------------------|----------------|-----------------------------|------------|
| | Species Richness | Lbs / acre PLS | seeds / ft ² PLS | Average CC |
| VINE & WOODY PLANT TOTAL | 1 | 0.009 | 0.050 | 8.0 |

| | lbs / acre PLS | seeds / ft ² PLS | Average CC | Species Richness | Floristic Quality Index |
|--------------------|----------------|-----------------------------|------------|------------------|-------------------------|
| GRAND TOTAL | 5.054 | 50.000 | 5.3 | 89 | 50.0 |