

# Seeding Plan

Name IA Monarch Habitat  
Prepared by \_\_\_\_\_  
Program: \_\_\_\_\_

Date 11/25/2020  
Tract No. \_\_\_\_\_  
Field No. \_\_\_\_\_  
Contract No. \_\_\_\_\_

Acres: 1.00

## Seeding Mix Summary

| Grasses                 | Scientific Name                | Common Name       | Seeds/Ft <sup>2</sup> | PLS Lbs/Acre | PLS Lbs Total |
|-------------------------|--------------------------------|-------------------|-----------------------|--------------|---------------|
| 1                       | <i>Andropogon gerardii</i>     | Big Bluestem      | 0.551                 | 0.150        | 0.15          |
| 2                       | <i>Elymus canadensis</i>       | Canada Wildrye    | 0.573                 | 0.300        | 0.30          |
| 3                       | <i>Schizachyrium scoparium</i> | Little Bluestem   | 2.920                 | 0.530        | 0.53          |
| 4                       | <i>Bouteloua curtipendula</i>  | Sideoats Grama    | 1.124                 | 0.510        | 0.51          |
| 5                       | <i>Koeleria macrantha</i>      | Prairie Junegrass | 2.571                 | 0.035        | 0.035         |
| 6                       | <i>Bouteloua gracilis</i>      | Blue Grama        | 2.204                 | 0.150        | 0.15          |
| 7                       | <i>Sporobolus heterolepis</i>  | Prairie Dropseed  | 0.059                 | 0.010        | 0.010         |
| <b>SUBTOTAL GRASSES</b> |                                |                   | <b>10.002</b>         | <b>1.685</b> | <b>1.685</b>  |

| Forbs/Legumes         | Scientific Name                    | Common Name                    | Seeds/Ft <sup>2</sup> | PLS Lbs/Acre | PLS Lbs Total |
|-----------------------|------------------------------------|--------------------------------|-----------------------|--------------|---------------|
| 1                     | <i>Asclepias syriaca</i>           | Common Milkweed                | 0.378                 | 0.240        | 0.24          |
| 2                     | <i>Asclepias tuberosa</i>          | Butterfly Milkweed             | 0.237                 | 0.150        | 0.15          |
| 3                     | <i>Rudbeckia hirta</i>             | Black-eyed Susan               | 3.041                 | 0.090        | 0.090         |
| 4                     | <i>Ratibida columnifera</i>        | Long-headed Coneflower         | 2.700                 | 0.175        | 0.18          |
| 5                     | <i>Oenothera biennis</i>           | Common Evening Primrose        | 0.165                 | 0.005        | 0.0050        |
| 6                     | <i>Veronicastrum virginicum</i>    | Culver's Root                  | 2.351                 | 0.008        | 0.0080        |
| 7                     | <i>Liatris pycnostachya</i>        | Prairie Blazing Star           | 0.040                 | 0.010        | 0.010         |
| 8                     | <i>Doellingeria umbellata</i>      | Flat-Topped Aster, White Aster | 0.123                 | 0.005        | 0.0050        |
| 9                     | <i>Symphotrichum laeve</i>         | Smooth Blue Aster              | 0.121                 | 0.006        | 0.0060        |
| 10                    | <i>Symphotrichum novae-angliae</i> | New England Aster              | 0.121                 | 0.005        | 0.0050        |
| 11                    | <i>Ratibida pinnata</i>            | Gray-headed Coneflower         | 0.165                 | 0.015        | 0.015         |
| 12                    | <i>Zizia aurea</i>                 | Golden Alexander's             | 0.040                 | 0.010        | 0.010         |
| 13                    | <i>Verbena stricta</i>             | Hoary Vervain                  | 0.926                 | 0.090        | 0.090         |
| 14                    | <i>Penstemon grandiflorus</i>      | Large-flowered Beardtongue     | 0.051                 | 0.010        | 0.010         |
| 15                    | <i>Helianthus maximiliani</i>      | Maximilian's Sunflower         | 2.626                 | 0.550        | 0.55          |
| 16                    | <i>Heliopsis helianthoides</i>     | Ox-eye                         | 0.231                 | 0.100        | 0.10          |
| 17                    | <i>Echinacea pallida</i>           | Pale Coneflower                | 0.038                 | 0.020        | 0.020         |
| 18                    | <i>Dalea purpurea</i>              | Purple Prairie Clover          | 3.107                 | 0.470        | 0.47          |
| 19                    | <i>Echinacea purpurea</i>          | Purple Coneflower              | 1.212                 | 0.500        | 0.50          |
| 20                    | <i>Lobelia siphilitica</i>         | Great Lobelia                  | 1.469                 | 0.008        | 0.0080        |
| 21                    | <i>Solidago nemoralis</i>          | Field Goldenrod                | 0.441                 | 0.004        | 0.0040        |
| 22                    | <i>Silphium laciniatum</i>         | Compass Plant                  | 0.001                 | 0.005        | 0.0050        |
| 23                    | <i>Solidago canadensis</i>         | Tall Goldenrod                 | 0.528                 | 0.005        | 0.0050        |
| 24                    | <i>Monarda fistulosa</i>           | Wild Bergamot                  | 2.571                 | 0.100        | 0.10          |
| 25                    | <i>Achillea millefolium</i>        | Western Yarrow                 | 3.928                 | 0.060        | 0.060         |
| 26                    | <i>Dalea candida</i>               | White Prairie Clover           | 2.792                 | 0.400        | 0.40          |
| 27                    | <i>Tradescantia ohiensis</i>       | Common Spiderwort              | 0.029                 | 0.010        | 0.010         |
| 28                    | <i>Desmanthus illinoensis</i>      | Prairie Mimosa                 | 0.386                 | 0.250        | 0.25          |
| 29                    | <i>Agastache foeniculum</i>        | Blue Giant Hyssop              | 0.264                 | 0.008        | 0.0080        |
| <b>SUBTOTAL FORBS</b> |                                    |                                | <b>30.086</b>         | <b>3.309</b> | <b>3.309</b>  |

| Woody                       | Scientific Name | Common Name | Seeds/Ft <sup>2</sup> | PLS Lbs/Acre | PLS Lbs Total |
|-----------------------------|-----------------|-------------|-----------------------|--------------|---------------|
| <b>SUBTOTAL VINES/WOODY</b> |                 |             | <b>0.000</b>          | <b>0.000</b> | <b>0.000</b>  |

TOTAL 40.088 4.994 4.994

Estimated Cost/Acre

Estimated Total Cost

|                           | Soil Test Information | Total Needed lbs |
|---------------------------|-----------------------|------------------|
| Lime (ECCE) (Actual Lime) |                       |                  |
| Nitrogen                  |                       |                  |
| Phosphate (P205)          |                       |                  |
| Potash (K20)              |                       |                  |

Seeding Dates: \_\_\_\_\_

Additional Seeding Criteria: \_\_\_\_\_

Seeding was completed by  according to the above requirements.  
(Date)

\_\_\_\_\_  
(Producer's Signature)

\_\_\_\_\_  
(Date)

Field Office \_\_\_\_\_

Certified by \_\_\_\_\_  
(NRCS Representative)

When seeding is completed, return seeding plan to the Natural Resources Conservation Services.  
For CRP cost-share, return receipts to Farm Service Agency.  
For all other cost-share projects, attach seed tags and receipts for seed, fertilizer, lime, etc.