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**NATURAL RESOURCES CONSERVATION SERVICE  
CONSERVATION PRACTICE STANDARD**

***DRAFT ADDENDUM***

**CONSERVATION COVER – CODE 327**

**TABLE 2: SELECTED LIST OF HERBACEOUS COVER MIXES**

**Mixes 8b, 8c, 8d, 8e, 15, 16, 17, 18**

This document is an addendum to table 2 of the Maryland conservation practice standard for Conservation Cover (327). All mixes provided in this addendum are approved mixes for conservation cover in Maryland. The species and mixes within this addendum are focused on establishment of high-diversity herbaceous stands containing native grasses and wildflowers. Native grasses are matched up with one of three Maryland native wildflower mixes for dry, mesic, and wet soil moisture conditions. The grasses selected are native to Maryland and tend to be less competitive than nonnative grasses and tall-statured native grasses, which makes them more compatible with native wildflowers. All of the grasses tend to have a bunch-type growth form, and are suitable for sites with low fertility.

The wildflower mixes contain species that range throughout Maryland, support pollinators and other beneficial insects, provide flowering throughout most of the growing season (as a mix), and are commercially available. The composition of the wildflower mixes was selected to provide a target diversity-to-cost ratio. Select the appropriate mix for the soil moisture conditions of the site.

The native wildflower mix for interseeding (mix 8e) can be used for enhancing forb diversity in existing grass stands. This mix has a higher proportion of annual wildflowers than the other native wildflower mixes, which will result in a quicker but somewhat less sustained enhancement of forb diversity. Perennial wildflower species in this mix were partially selected based on their performance in warm-season grass stand renovation trials conducted at the Norm A. Berg National Plant Materials Center. Periodic soil disturbance will be required to maintain the annual wildflower component of this mix.

All mixes listed here (except mix 8e) have 2 seeding rates: *Conservation Cover Grasses with Wildflowers* and *Wildflower Meadow*. The *Conservation Cover Grasses with Wildflowers* seeding rate was designed for a native conservation cover stand of grasses with approximately 10 to 25 percent wildflowers by seed. The *Wildflower Meadow* seeding rate was designed to provide at least 80 percent wildflowers by seed. The higher grass seeding rates are for sites where soils have a higher risk of erosion, or for excessively dry or infertile sites. The rates are not intended for sites where the Critical Area Planting practice standard applies.

This addendum includes a custom seeding mix (mix 18), which includes instructions and a worksheet for selecting a custom mix of native grasses to be established with native wildflowers for either *Conservation Cover Grasses with Wildflowers* or a *Wildflower Meadow*

Mix No.	Mix	Seeding Rate for Grasses with Wildflowers (lb/ac PLS <sup>1</sup> )	Seeding Rate for Wildflower Meadow (lb/ac PLS <sup>1</sup> )	Soil Drainage Class <sup>2</sup>	Remarks
15	Purpletop <i>Tridens flavus</i>	1 – 2	1/10	E – W	All grasses in this mix are 2 to 4 feet in height, except Indiangrass, which can reach up to 8 feet. All grasses in this mix are warm-season grasses, except for Canada Wild Rye.
	Broomsedge <i>Andropogon virginicus</i> <b>OR</b>	1 – 2	1/10		
	Indiangrass <i>Sorghastrum nutans</i>	1 – 2	1/10		
	Canada Wild Rye <i>Elymus canadensis</i> <b>OR</b>	2 – 3	3/10		
	Little Bluestem <i>Schizachyrium scoparium</i>	2 – 3	3/10		
Mix 8b – Dry Site Native Wildflower Mix	1 – 2	4½			
16	Broomsedge <i>Andropogon virginicus</i>	1 – 2	1/10	MW – SP	All grasses in this mix are 2 to 4 feet in height. All grasses in this mix are warm-season grasses, except for Virginia Wild Rye.
	Virginia Wild Rye <i>Elymus virginicus</i>	2 – 3	3/10		
	Purpletop <i>Tridens flavus</i> <b>OR</b>	1 – 2	1/10		
	Purple Lovegrass <i>Eragrostis spectabilis</i>	1 – 2	1/10		
	Mix 8c – Mesic Site Native Wildflower Mix	1 – 2	3½		
17	Redtop Panicgrass <i>Panicum rigidulum</i>	1 – 2	1/10	SP – VP	All the grasses in this mix are 2 to 4 feet in height. Fox sedge ranges from 1 to 3 feet in height. Redtop panicgrass and beaked panicgrass are both warm-season grasses. Virginia wild rye is a cool-season grass. Use beaked panicgrass on less wet sites and fox sedge on wetter sites. Fox sedge may be somewhat aggressive. Avoid use in or adjacent to areas where sensitive plant species are known to occur.
	Virginia Wild Rye <i>Elymus virginicus</i>	2 – 3	3/10		
	Beaked Panicgrass <i>Panicum anceps</i> <b>OR</b>	1 – 2	1/10		
	Fox Sedge <i>Carex vulpinoidea</i>	1 – 2	1/10		
	Mix 8d – Wet Site Native Wildflower Mix	½ – 1	3½		

### MIX 18. CUSTOM GRASS AND NATIVE WILDFLOWER MIX

This list contains Maryland native species of grasses for use in developing a custom mix of grasses for Conservation Cover plantings. It is intended to include one of the Maryland native wildflower mixes as part of the planting. The proportion of species in a grass mix, as shown in column 2 of table 2B, is the proportion of grasses a particular species should represent in the grass mixture of the planting. The total for all grasses selected should add up to 1 (or 100%), and the proportion for each species should be multiplied by the total seeding rate for grasses in lb/ac PLS<sup>1</sup>.

#### Steps for Developing a Custom Mix

1. Select a least 3 species of grasses that are appropriate for the location and site, and for which the proportions can add up to 1.
2. Select the proportions for each species based on the given range of proportions.
3. Determine the overall seeding rate for the grass mix based on the planting type as shown in table 2A.
4. Multiply the proportion for each grass species by the grass seeding rate to determine the seeding rate in lb/ac PLS.
5. Select an appropriate wildflower mix for the site from the choices of mix 8b, 8c, and 8d.

#### Example Mix 18 Selection for Conservation Cover with Wildflowers

(a) Selected Species	(b) Proportion Range (from col. 2 of table 2B)	(c) Proportion (selected from previous column)	(d) Overall Grass Mix Rate (selected from table 2A)	(e) Calculated Seed Rate (lb/ac PLS) (col. c x col. d)
Purple Lovegrass	0.2 – 0.3	0.3	4	1.2
Purpletop	0.2 – 0.3	0.3		1.2
Canada Wild Rye	0.4 – 0.6	0.4		1.6
<b>Total Grasses</b>		<b>1</b>		<b>4.0</b>

#### Example Mix 18 Selection for Wildflower Meadow

(a) Selected Species	(b) Proportion Range (from col. 2 of table 2B)	(c) Proportion (selected from previous column)	(d) Overall Grass Mix Rate (selected from table 2A)	(e) Calculated Seed Rate (lb/ac PLS) (col. c x col. d)
Purple Lovegrass	0.2 – 0.3	0.2	1/2	0.1
Purpletop	0.2 – 0.3	0.2		0.1
Canada Wild Rye	0.4 – 0.6	0.6		0.3
<b>Total Grasses</b>		<b>1</b>		<b>0.5</b>

**Mix 18 Worksheet for Calculating Grass Species Seed Rates**

(a) Selected Species	(b) Proportion Range (from col. 2 of table 2B)	(c) Proportion (selected from previous column)	(d) Overall Grass Mix Rate (selected from table 2A)	(e) Calculated Seed Rate (lb/ac PLS) (col. c x col. d)
<b>Total Grasses</b>		<b>1</b>		

**TABLE 2A. SEEDING RATES FOR MIX 18**

Planting Type	Grass Mix Seeding Rate (lb/ac PLS <sup>1</sup> )	Wildflower Mix Seeding Rate (lb/ac PLS <sup>1</sup> )
Conservation Cover Grasses with Wildflowers	4 – 6	Dry Site Mix: 1 – 2 Mesic Site Mix: 1 – 2 Wet Site Mix: ½ – 1
Wildflower Meadow	½ – 1	Dry Site Mix: 4 – 4½ Mesic Site Mix: 3½ – 4 Wet Site Mix: 2½ – 3

TABLE 2B. GRASS SPECIES FOR MIX 18											
Select at least 3 species, at least 2 of which are warm season species.											
Grass Species	Proportion by Weight in a Grass Mix	Coastal Plain	Piedmont	Mountain	Warm or Cool Season	Dry Sites	Mesic Sites	Wet Sites	Soil Drainage Class <sup>2</sup>	Seeds per lb (approx.)	Remarks
Beaked Panicgrass <i>Panicum anceps</i>	0.2 – 0.3	•	•		W		•	•	MW - P	570,000	Spreads from short rhizomes to form dense clumps. Prefers some shade. Height: 2 - 4 ft. Use Maryland ecotype.
Broomsedge <i>Andropogon virginicus</i>	0.2 – 0.3	•	•	•	W	•	•		E – SP	800,000	Often volunteers in idle crop fields with low fertility and low pH. Height: 1½ - 3 ft.
Bushy Broomsedge <i>Andropogon glomeratus</i>	0.4 – 0.6	•	•	•	W			•	SP – P	205,000	Often volunteers in wet idle crop fields in association with <i>Andropogon virginicus</i> . Height: 1½ - 3 ft.
Canada Wildrye <i>Elymus canadensis</i>	0.4 – 0.6	•	•	•	C	•	•		E – MW	114,000	Prefers partial shade. Seedlings are vigorous and establish quickly, but are not highly competitive with other grasses. Not compatible with prescribed burning.
Deertongue <i>Dicanthelium clandestinum</i>	0.2 – 0.3	•	•	•	W	•	•		E – SP	350,000	Usually slow to establish, but tolerates a wide range of site conditions. Height: 1½ - 3 ft.
Fox Sedge <i>Carex vulpinoidea</i>	0.2 – 0.3	•	•	•	n/a			•	SP – VP	1,300,000	Obligate wetland species. Provides food and cover for wildlife. Can be aggressive. Seed is extremely small. Height: 1 - 3 ft.
Indiangrass <i>Sorghastrum nutans</i>	0.2 – 0.4	•	•	•	W	•	•		E – SP	175,000	Tallest (6 - 8 ft) species of the grasses listed here. May be somewhat aggressive on sites with normal moisture or fertility.
Little Bluestem <i>Schizachyrium scoparium</i>	0.4 – 0.6	•	•	•	W	•	•		E – MW	200,000	Prefers dry sites. Similar in appearance to <i>Andropogon virginicus</i> .
Purple Lovegrass <i>Eragrostis spectabilis</i>	0.2 – 0.3	•	•	•	W	•	•		E – MW	1,060,000	Prefers sandy sites. Seed is extremely small. Height: 1 - 3 ft.
Purpletop <i>Tridens flavus</i>	0.2 – 0.3	•	•	•	W	•	•		E – MW	465,000	Best suited for dry, sandy areas or sites with shallow soils.
Redtop Panicgrass <i>Panicum rigidulum</i>	0.2 – 0.3	•	•	•	W			•	SP – P	800,000	Prefers wet sites. Seed is extremely small, so seeding rate should be proportionally smaller in a mix. Height: 2 - 3 ft.
Virginia Wildrye <i>Elymus virginicus</i>	0.4 – 0.6	•	•	•	C		•	•	MW – P	100,000	See remarks for <i>Elymus canadensis</i> .

**MIX 8b. MARYLAND NATIVE WILDFLOWER MIX - DRY SITES**

MD native wildflower mix for excessively-drained to well-drained soils. Wildflower meadow seeding rate is 4 – 4½ lb/ac PLS with ½ – 1 lb/ac PLS native grasses.

Scientific Name	Common Name	% by Wt. <sup>3</sup>	% by Seed <sup>4</sup>	Duration <sup>5</sup>	Legume	Flowering Period																
						M	A	M	J	J	A	S	O	N								
<i>Asclepias syriaca</i>	Common Milkweed	2.0	5.6	P	N																	
<i>Asclepias tuberosa</i>	Butterfly Milkweed	7.0	2.0	P	N																	
<i>Baptisia tinctoria</i>	Yellow False Indigo	3.0	3.6	P	Y																	
<i>Chamaecrista fasciculata</i>	Partridge Pea	12.0	3.1	A	Y																	
<i>Coreopsis verticillata</i>	Whorled Tickseed	6.0	4.8	P	N																	
<i>Desmodium paniculatum</i>	Panicled Tick-Trefoil	5.0	4.0	P	Y																	
<i>Heliopsis helianthoides</i>	Smooth Oxeye	10.0	4.6	P	N																	
<i>Lespedeza hirta</i>	Hairy Bush-Clover	4.0	2.8	P	Y																	
<i>Liatris pilosa var. pilosa</i>	Grass-leaf Blazing Star	4.0	4.6	P	N																	
<i>Monarda fistulosa</i>	Wild Bergamot	1.0	5.1	P	N																	
<i>Monarda punctata</i>	Spotted Bee-balm	1.0	5.7	P	N																	
<i>Penstemon canescens</i>	Gray Beard-tongue	3.0	4.8	P	N																	
<i>Penstemon digitalis</i>	Tall White Beard-tongue	3.0	4.8	P	N																	
<i>Pycnanthemum tenuifolium</i>	Narrow-leaf Mountain Mint	0.3	5.4	P	N																	
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.7	4.4	B	N																	
<i>Senna marilandica</i>	Maryland Senna	25.0	2.0	P	Y																	
<i>Silphium trifoliatum</i>	Whorled Rosinweed	5.0	1.0	P	N																	
<i>Solidago juncea</i>	Early Goldenrod	0.5	5.0	P	N																	
<i>Solidago nemoralis</i>	Gray Goldenrod	1.0	4.0	P	N																	
<i>Solidago rugosa</i>	Wrinkle-leaf Goldenrod	1.0	4.0	P	N																	
<i>Symphyotrichum laeve var. laeve</i>	Smooth Blue Aster	1.0	4.0	P	N																	
<i>Symphyotrichum oblongifolium</i>	Aromatic Aster	2.0	5.6	P	N																	
<i>Symphyotrichum pilosum var. pilosum</i>	White Oldfield Aster	2.0	5.6	P	N																	
<i>Tradescantia virginiana</i>	Virginia Spiderwort	0.5	3.5	P	N																	
<b>ALTERNATIVES<sup>6</sup></b>																						
<i>Desmodium canadense</i>	Showy Tick Trefoil			P	Y																	
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod			P	N																	
<i>Monarda media</i>	Purple Bergamot			P	N																	
<i>Pycnanthemum incanum</i>	Hoary Mountain Mint			P	N																	
<i>Senna hebecarpa</i>	American Senna			P	Y																	
<i>Symphyotrichum ericoides</i>	White Heath Aster			P	N																	
<i>Symphyotrichum urophyllum</i>	White Arrowleaf Aster			P	N																	
<i>Tradescantia ohioensis</i>	Ohio Spiderwort			P	N																	



**MIX 8c. MARYLAND NATIVE WILDFLOWER MIX - MESIC SITES (CONTINUED)**

Scientific Name	Common Name	% by Wt. <sup>3</sup>	% by Seed <sup>4</sup>	Duration <sup>5</sup>	Legume	Flowering Period																				
						M	A	M	J	J	A	S	O	N												
<i>ALTERNATIVES<sup>6</sup></i>																										
<i>Asclepias incarnata</i>	Swamp Milkweed			P	N																					
<i>Coreopsis verticillata</i>	Whorled Tickseed			P	N																					
<i>Desmodium paniculatum</i>	Panicled Tick-Trefoil			P	Y																					
<i>Eupatoriadelphus fistulosus</i>	Joe-pye Weed			P	N																					
<i>Helenium autumnale</i>	Yellow Sneezeweed			P	N																					
<i>Liatris scariosa</i>	Large Blazing Star			P	N																					
<i>Monarda media</i>	Purple Bergamot			P	N																					
<i>Penstemon laevigatus</i>	Smooth Beard-tongue			P	N																					
<i>Pycnanthemum muticum</i>	Big-leaf Mountain Mint			P	N																					
<i>Senna marilandica</i>	Maryland Senna			P	Y																					
<i>Solidago rugosa</i>	Wrinkle-leaf Goldenrod			P	N																					
<i>Symphyotrichum ericoides</i>	White Heath Aster			P	N																					
<i>Symphyotrichum laeve</i> var. <i>laeve</i>	Smooth Blue Aster			P	N																					
<i>Symphyotrichum lateriflorum</i> var. <i>lateriflorum</i>	Calico Aster			P	N																					
<i>Tradescantia ohiensis</i>	Ohio Spiderwort			P	N																					
<i>Veronicastrum virginicum</i>	Culver's Root			P	N																					

**MIX 8d. MARYLAND NATIVE WILDFLOWER MIX - WET SITES**

MD native wildflower mix for somewhat poorly to very poorly drained soils. Wildflower meadow seeding rate is 2½ – 3 lb/ac PLS with ½ – 1 lb/ac PLS native grasses.

Scientific Name	Common Name	% by Wt. <sup>3</sup>	% by Seed <sup>4</sup>	Duration <sup>5</sup>	Legume	Flowering Period											
						M	A	M	J	J	A	S	O	N			
<i>Asclepias incarnata</i>	Swamp Milkweed	3.0	4.9	P	N												
<i>Bidens aristosa</i>	Bur Marigold	15.0	4.5	A	N												
<i>Helianthus angustifolius</i>	Swamp Sunflower	4.0	4.7	P	N												
<i>Desmodium canadense</i>	Showy Tick Trefoil	10.0	1.7	P	Y												
<i>Doellingeria umbellata</i> var. <i>umbellata</i>	Flat-topped White Aster	3.0	5.6	P	N												
<i>Eupatoriadelphus fistulosus</i>	Joe-pye Weed	1.3	6.1	P	N												
<i>Eupatorium perfoliatum</i>	Boneset	1.0	6.5	P	N												
<i>Thalictrum pubescens</i>	Tall Meadow Rue	10.0	4.5	P	N												
<i>Helenium autumnale</i>	Yellow Sneezeweed	2.0	6.8	P	N												
<i>Lobelia cardinalis</i>	Cardinal Flower	0.2	5.3	P	N												
<i>Penstemon digitalis</i>	Tall White Beard-tongue	5.0	4.7	P	N												
<i>Pycnanthemum tenuifolium</i>	Narrow-leaf Mountain Mint	0.5	5.2	P	N												
<i>Senna hebecarpa</i>	American Senna	20.0	1.0	P	Y												
<i>Solidago patula</i>	Rough-leaved Goldenrod	4.0	6.5	P	N												
<i>Symphotrichum lateriflorum</i> var. <i>lateriflorum</i>	Calico Aster	2.0	3.5	P	N												
<i>Symphotrichum novae-angliae</i>	New England Aster	2.0	5.1	P	N												
<i>Symphotrichum novi-belgii</i>	New York Aster	4.0	6.5	P	N												
<i>Tradescantia virginiana</i>	Virginia Spiderwort	1.0	4.1	P	N												
<i>Verbena hastata</i>	Blue (Swamp) Vervain	2.0	7.0	B	N												
<i>Vernonia noveboracensis</i>	New York Ironweed	6.0	4.2	P	N												
<i>Zizia aurea</i>	Golden Alexanders	4.0	1.6	P	N												
<b>ALTERNATIVES<sup>6</sup></b>																	
<i>Bidens cernua</i>	Nodding Bur Marigold			A	N												
<i>Conoclinium coelestinum</i>	Mistflower			P	N												
<i>Eupatoriadelphus dubius</i>	Coastal Plain Joe-pye Weed			P	N												
<i>Eupatorium purpureum</i>	Sweet-scented Joe-pye Weed			P	N												
<i>Geum laciniatum</i>	Rough Avens			P	N												
<i>Caltha palustris</i>	Marsh Marigold			P	N												
<i>Lobelia siphilitica</i>	Blue Lobelia			P	N												
<i>Monarda didyma</i>	Scarlet Bee-balm			P	N												
<i>Packera aurea</i>	Golden Ragwort			P	N												
<i>Pycnanthemum muticum</i>	Big-leaf Mountain Mint			P	N												
<i>Symphotrichum puniceum</i> var. <i>puniceum</i>	Purple-stemmed Aster			P	N												

**MIX 8e. MARYLAND NATIVE WILDFLOWER MIX – INTERSEEDING**

MD native wildflower mix for enhancing forb diversity in existing grass stands on sites with excessively-drained to somewhat poorly drained soils. Inter-seeding rate is 2 – 4 lb/ac PLS.

Scientific Name	Common Name	% by Wt. <sup>3</sup>	% by Seed <sup>3</sup>	Duration <sup>5</sup>	Legume	Flowering Period																	
						M	A	M	J	J	A	S	O	N									
<i>Asclepias syriaca</i>	Common Milkweed	0.5	1.0	P	N																		
<i>Asclepias tuberosa</i>	Butterfly Milkweed	1.0	0.2	P	N																		
<i>Chamaecrista fasciculata</i>	Partridge Pea	30.0	5.6	A	Y																		
<i>Conoclinium coelestinum</i>	Mistflower	0.5	2.1	P	N																		
<i>Coreopsis tinctoria</i>	Golden Tickseed	1.5	13.8	A	N																		
<i>Desmodium canadense</i>	Showy Tick Trefoil	15.0	3.1	P	Y																		
<i>Doellingeria umbellata</i> var. <i>umbellata</i>	Flat-topped White Aster	0.5	1.1	P	N																		
<i>Eupatorium purpureum</i>	Sweet-scented Joe-pye Weed	1.0	1.9	P	N																		
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	0.5	8.0	P	N																		
<i>Helenium flexuosum</i>	Purple Sneezeweed	1.0	5.7	P	N																		
<i>Heliopsis helianthoides</i>	Smooth Oxeye	10.0	3.3	P	N																		
<i>Lespedeza hirta</i>	Hairy Bush-Clover	4.0	2.0	P	Y																		
<i>Liatris spicata</i>	Marsh Blazing Star	0.5	0.1	P	N																		
<i>Monarda fistulosa</i>	Wild Bergamot	4.0	14.5	P	N																		
<i>Monarda punctata</i>	Spotted Bee-balm	4.0	16.4	P	N																		
<i>Penstemon digitalis</i>	Tall White Beard-tongue	5.0	5.7	P	N																		
<i>Pycnanthemum tenuifolium</i>	Narrow-leaf Mountain Mint	0.5	6.7	P	N																		
<i>Rudbeckia hirta</i>	Black-eyed Susan	1.0	4.5	B	N																		
<i>Senna hebecarpa</i>	American Senna	15.0	0.9	P	Y																		
<i>Symphotrichum ericoides</i>	White Heath Aster	0.5	1.0	P	N																		
<i>Symphotrichum oblongifolium</i>	Aromatic Aster	2.0	4.0	P	N																		
<i>Symphotrichum prenanthoides</i>	Zigzag Aster	1.0	2.0	P	N																		
<i>Tradescantia virginiana</i>	Virginia Spiderwort	0.5	2.5	P	N																		
<i>Zizia aurea</i>	Golden Alexanders	1.0	0.5	P	N																		

**MIX 8c. MARYLAND NATIVE WILDFLOWER MIX – INTERSEEDING (CONTINUED)**

Scientific Name	Common Name	% by Wt. <sup>3</sup>	% by Seed <sup>4</sup>	Duration <sup>5</sup>	Legume	Flowering Period																			
						M	A	M	J	J	A	S	O	N											
<i>ALTERNATIVES<sup>6</sup></i>																									
<i>Asclepias incarnata</i>	Swamp Milkweed			P	N																				
<i>Coreopsis verticillata</i>	Whorled Tickseed			P	N																				
<i>Desmodium paniculatum</i>	Panicled Tick-Trefoil			P	Y																				
<i>Eupatoriadelphus fistulosus</i>	Joe-pye Weed			P	N																				
<i>Helenium autumnale</i>	Yellow Sneezeweed			P	N																				
<i>Liatris pilosa var. pilosa</i>	Grass-leaf Blazing Star			P	N																				
<i>Monarda media</i>	Purple Bergamot			P	N																				
<i>Penstemon canescens</i>	Gray Beard-tongue			P	N																				
<i>Senna marilandica</i>	Maryland Senna			P	Y																				
<i>Solidago nemoralis</i>	Gray Goldenrod			P	N																				
<i>Solidago rugosa</i>	Wrinkle-leaf Goldenrod			P	N																				
<i>Symphyotrichum novae-angliae</i>	New England Aster			P	N																				
<i>Symphyotrichum laeve var. laeve</i>	Smooth Blue Aster			P	N																				
<i>Tradescantia ohioensis</i>	Ohio Spiderwort			P	N																				

Notes for Mixes 8b, 8c, 8d, 8e, 15, 16, 17 and 18

- 1 – Native grasses and wildflowers should be purchased by weight in pure live seed (PLS).
- 2 – Drainage classes are published in county soil survey manuals. E – Excessively drained; W – Well drained; MW – Moderately well drained; SP – Somewhat poorly drained; P – Poorly drained.
- 3 – Order mixes using the percent by weight column. The wildflower proportions were selected to provide a target diversity-to cost ratio.
- 4 – Approximate percentage of species in mix based on number of seeds; this is provided for informational purposes.
- 5 – Duration: P – Perennial; B – Biennial; A – Annual
- 6 – Alternative species may be substituted for species due to desirability or lack of availability. When possible, select an alternative that has a flowering period that is similar to the species for which it is being substituted.