

# Native Meadow Trials at the Hudson Valley Farm Hub

Seed Mixes seeded in May 2017

## Wildflower-rich Seed Mix A :

Common Name	Scientific Name	Native Range	Percent of mix by volume (seed/ft2)	Comment (2022)
Blackeyed Susan <sup>1</sup>	<i>Rudbeckia hirta</i>	Eastern and Central NA, maybe not NYS	6.5%	dominant in first two years, still persisting throughout
Browneyed Susan <sup>1</sup>	<i>Rudbeckia triloba</i>	Eastern NA, prob. only parts of NYS	2.2%	persisting in low numbers throughout
Butterfly Milkweed <sup>1</sup>	<i>Asclepias tuberosa</i>	NYS, etc.	1.1%	sparse
Common Milkweed <sup>1</sup>	<i>Asclepias syriaca</i>	NYS, etc.	1.1%	sparse
Dense Blazingstar <sup>1</sup>	<i>Liatris spicata</i>	Eastern NA, prob. not NYS	1.1%	sparse, patchy, declined?
Early Goldenrod <sup>1</sup>	<i>Solidago juncea</i>	NYS, etc.	3.2%	steady increase in first 5 years
Joe Pye Weed <sup>2</sup>	<i>Eupatorium purpureum</i>	NYS, etc.	1.0%	never germinated
Lance Leaved Coreopsis <sup>1</sup>	<i>Coreopsis lanceolata</i>	Eastern and Central NA, not NYS	8.6%	quite common in first two years, declined since
Lavender Hyssop <sup>1</sup>	<i>Agastache foeniculum</i>	Midwest	8.6%	sparse
Little Bluestem <sup>1</sup>	<i>Schizachyrium scoparium</i>	NYS, etc.	19.4%	slow to get established, but present throughout
Mistflower <sup>1</sup>	<i>Eupatorium coelestinum</i>	Eastern NA, prob. not NY	6.5%	peaked in 2nd year, now sparse (mainly along edges)
Narrowleaf Mountainmint <sup>2</sup>	<i>Pycnanthemum tenuifolium</i>	NYS, etc.	3.8%	not common, but persisting throughout
New England Aster <sup>1</sup>	<i>Aster novae-angliae</i>	NYS, etc.	2.1%	steady increase in first 5 years
Ohio Spiderwort <sup>3</sup>	<i>Tradescantia ohioensis</i>	Eastern and Central NA, prob. not NY	2.2%	slow to get established, quite common in 6th season
Partridge Pea <sup>1</sup>	<i>Chamaecrista fasciculata</i>	NYS, etc.	2.2%	quick establishment, persistent
Purple Coneflower <sup>1</sup>	<i>Echinacea purpurea</i>	Eastern NA, prob. not NY	4.3%	quick establishment, persistent
Purple Prairie Clover <sup>1</sup>	<i>Dalea purpurea</i>	Central NA, not NYS	2.2%	rare
Roundhead Lespedeza <sup>2</sup>	<i>Lespedeza capitata</i>	NYS, etc.	1.1%	sparse throughout
Showy Goldenrod <sup>1</sup>	<i>Solidago speciosa</i>	NYS, etc.	2.3%	steady increase in first 5 years
Slender Lespedeza <sup>1</sup>	<i>Lespedeza virginica</i>	NYS, etc.	2.1%	slow to establish, sparse
Smooth Blue Aster <sup>1</sup>	<i>Aster laevis</i>	NYS, etc.	2.1%	persisting in low numbers throughout
Tall White Beardtongue <sup>4</sup>	<i>Penstemon digitalis</i>	NYS, etc.	9.7%	sparse throughout, most common in wet spot
Wild Bergamot <sup>4</sup>	<i>Monarda fistulosa</i>	NYS, etc.	6.7%	peaked in 4th year, declined somewhat, but still very common
<b>Seed Sources:</b> 1) Ernst Seeds; 2) Prairie Moon; 3) Prairie Nursery; 4) Pinelands Nursery				

## Grass-rich Seed Mix B:

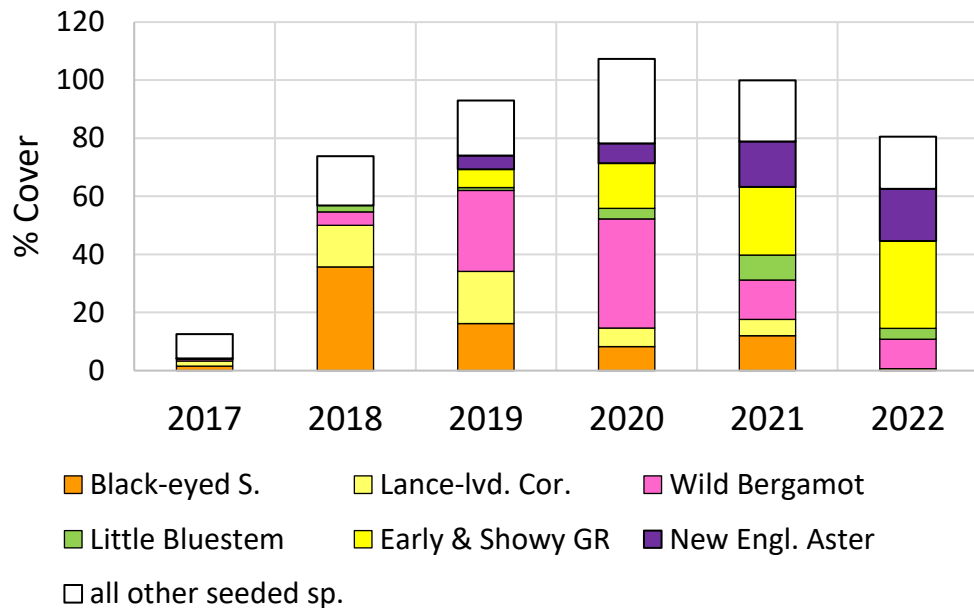
Common Name	Scientific Name	% of Seeds	Comment (2022)
Autumn Bentgrass <sup>1</sup>	<i>Agrostis perennans</i>	15.0%	disappeared?
Big Bluestem <sup>1</sup>	<i>Andropogon gerardii</i>	6.4%	common
Blackeyed Susan <sup>1</sup>	<i>Rudbeckia hirta</i>	6.3%	initially very abundant, now much declined
Canada Wildrye <sup>1</sup>	<i>Elymus canadensis</i>	10.7%	initially common, now declined
Indiangrass <sup>1</sup>	<i>Sorghastrum nutans</i>	6.7%	initially common, now declined
Lance Leaved Coreopsis <sup>1</sup>	<i>Coreopsis lanceolata</i>	3.2%	initially common, now almost gone
Little Bluestem <sup>1</sup>	<i>Schizachyrium scoparium</i>	16.0%	disappeared?
Partridge Pea <sup>1</sup>	<i>Chamaecrista fasciculata</i>	1.1%	disappeared?
Purple Coneflower <sup>1</sup>	<i>Echinacea purpurea</i>	5.3%	uncommon
Purple Lovegrass <sup>2</sup>	<i>Eragrostis spectabilis</i>	1.3%	never germinated?
Purple Prairie Clover <sup>1</sup>	<i>Dalea purpurea</i>	2.1%	disappeared?
Purpletop <sup>1</sup>	<i>Tridens flavus</i>	16.4%	rare
Slender Lespedeza <sup>1</sup>	<i>Lespedeza virginiana</i>	1.1%	disappeared?
Switchgrass <sup>1</sup>	<i>Panicum virgatum</i>	8.5%	has become dominant

Seed Sources: 1) Ernst Seeds; 2) Prairie Moon;

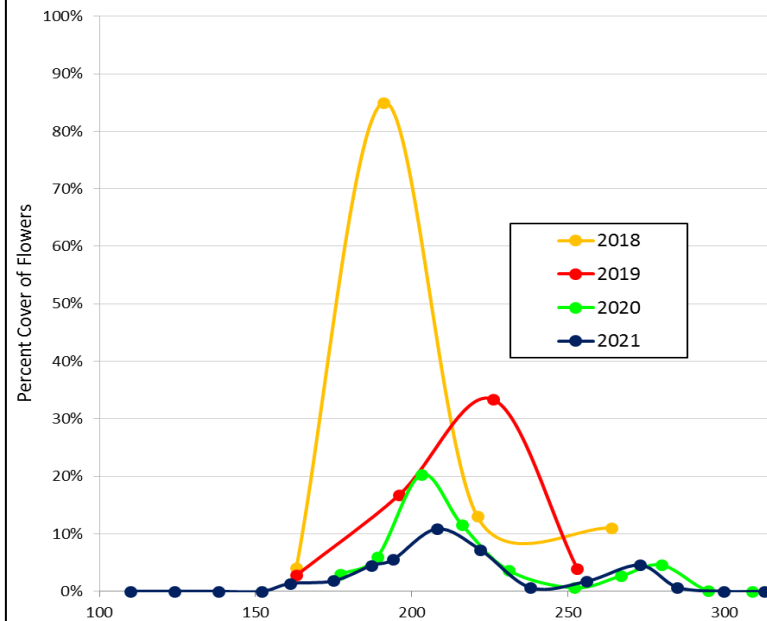
# Changes in Plant Composition and Flower Abundance in Seeded Wildflower Meadows at the Hudson Valley Farm Hub Over Time

(<https://www.hvfarmscape.org/agroecology> click on botanical report 2022)

## Most Abundant Seeded Species in Wildflower-Rich Meadows (Mix A)



## Comparison of Total Flower Abundance in Wildflower-rich Seed Mix A 2018-2021



## Labor for Establishment and Maintenance of Native Meadows (not including Control Plots)

