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 (2023)
Blackeyed Susan[1)]	*Rudbeckia hirta*	Eastern and Central NA, maybe not NYS	6.5%	dominant in first two years, now almost gone
Browneyed Susan[1)]	*Rudbeckia triloba*	Eastern NA, prob. only parts of NYS	2.2%	persisting in low numbers throughout
Butterfly Milkweed[1)]	*Asclepias tuberosa*	NYS, etc.	1.1%	sparse
Common Milkweed[1)]	*Asclepias syriaca*	NYS, etc.	1.1%	sparse
Dense Blazingstar[1)]	*Liatris spicata*	Eastern NA, prob. not NYS	1.1%	sparse, patchy, declined
Early Goldenrod[1)]	*Solidago juncea*	NYS, etc.	3.2%	steady increase in first 6 years
Joe Pye Weed[2)]	*Eupatorium purpureum*	NYS, etc.	1.0%	never germinated
Lance Leaved Coreopsis[1)]	*Coreopsis lanceolata*	Eastern and Central NA, not NYS	8.6%	quite common in first two years, almost disappeared since
Lavender Hyssop[1)]	*Agastache foeniculum*	Midwest	8.6%	sparse
Little Bluestem[1)]	*Schizachyrium scoparium*	NYS, etc.	19.4%	slow to get established, but present throughout
Mistflower[1)]	*Eupatorium coelestinum*	Eastern NA, prob. not NY	6.5%	peaked in 2nd year, now sparse (mainly along edges)
Narrowleaf Mountainmint[2)]	*Pycnanthemum tenuifolium*	NYS, etc.	3.8%	not common, but persisting throughout
New England Aster[1)]	*Aster novae-angliae*	NYS, etc.	2.1%	steady increase in first 5 years
Ohio Spiderwort[3)]	*Tradescantia ohiensis*	Eastern and Central NA, prob. not NY	2.2%	slow to get established, quite common since 2022
Partridge Pea[1)]	*Chamaecrista fasciculata*	NYS, etc.	2.2%	quick establishment, persistent, but not common
Purple Coneflower[1)]	*Echinacea purpurea*	Eastern NA, prob. not NY	4.3%	quick establishment, persistent, but not common
Purple Prairie Clover[1)]	*Dalea purpurea*	Central NA, not NYS	2.2%	rare
Roundhead Lespedeza[2)]	*Lespedeza capitata*	NYS, etc.	1.1%	slow to establish, low density, but still increasing
Showy Goldenrod[1)]	*Solidago speciosa*	NYS, etc.	2.3%	steady increase in first 6 years
Slender Lespedeza[1)]	*Lespedeza virginica*	NYS, etc.	2.1%	slow to establish, low density, but still increasing
Smooth Blue Aster[1)]	*Aster laevis*	NYS, etc.	2.1%	persisting in low numbers throughout
Tall White Beardtongue[4)]	*Penstemon digitalis*	NYS, etc.	9.7%	sparse throughout, most common in wet spot
Wild Bergamot[4)]	*Monarda fistulosa*	NYS, etc.	6.7%	peaked in 4th year, declined since
Seed Sources: 1) Ernst Seeds; 2) Prairie Moon; 3) Prairie Nursery; 4) Pinelands Nursery				

Grass-rich Seed Mix B:

Common Name	Scientific Name	% of Seeds	Comment (2023)
Autumn Bentgrass[1)]	*Agrostis perennans*	15.0%	disappeared?
Big Bluestem[1)]	*Andropogon geradii*	6.4%	common
Blackeyed Susan[1)]	*Rudbeckia hirta*	6.3%	initially very abundant, now basically gone
Canada Wildrye[1)]	*Elymus canadensis*	10.7%	initially common, now declined
Indiangrass1)	*Sorghastrum nutans*	6.7%	initially common, now declined
Lance Leaved Coreopsis[1)]	*Coreopsis lanceolata*	3.2%	initially common, now almost gone
Little Bluestem[1)]	*Schizachyrium scoparium*	16.0%	disappeared?
Partridge Pea[1)]	*Chamaecrista fasciculata*	1.1%	disappeared?
Purple Coneflower[1)]	*Echinacea purpurea*	5.3%	uncommon
Purple Lovegrass[2)]	*Eragrostis spectablis*	1.3%	never germinated?
Purple Prairie Clover[1)]	*Dalea purpurea*	2.1%	disappeared?
Purpletop[1)]	*Tridens flavus*	16.4%	rare
Slender Lespedeza[1)]	*Lespedeza virginiana*	1.1%	very rare
Switchgrass[1)]	*Panicum virgatum*	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

(Questions? Claudia@hawthornevalleyfarm.org; full report 2023 https://www.hvfarmscape.org/agroecology)