Coastal Site Mix Example

This is an example of a native seed mix suitable for upland mesic sites.

It provides percentages for each species. These percentages are just a guide. It is recommended that the seed companies with whom you work determine the correct percentages for each species

The colored bands on the right indicate the color of the flowers and the species' bloom period.

Exclusions indicate the species is of conservation concern for that particular state and should not be included in a mix for that state.

Species in blue are for specialist pollinators and may be harder to find producers.

| Botanical Name | Common Name | % of mix | Exclusions | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
|------------------------------|----------------------------|----------|------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Elymus virginicus | common eastern wild-rye | 20 | | | | | Ī | | _ | | |
| Apocynum cannabinum | hemp dogbane | 0.2 | | | | | 1 | | | | |
| Juncus tenuis | path rush | 0.7 | | 1 | | | | | | | |
| Carex crinita | fringed sedge | 2.7 | | | | | | | | | |
| Carex stricta | tussock sedge | 0.7 | | | | | | | | | |
| Zizia aurea | common golden Alexanders | 2 | | | | | | | | | |
| Eutrochium dubium | coastal plain Joe-Pye weed | 0.1 | | | | | | | | | |
| Eutrochium fistulosum | hollow Joe-Pye weed | 0.1 | ME, NH | | | | | | | | |
| Scutellaria lateriflora | mad dog skullcap | 0.8 | | | | | | | | | |
| Carex lurida | sallow sedge | 8 | | | | | | | | | |
| Carex vulpinoidea | common fox sedge | 15.7 | | | | | | | · | | |
| Asclepias incarnata | swamp milkweed | 2.7 | | | | | | | | | |
| Impatiens capensis | jewelweed | 0.8 | | | | | | | | | |
| Mimulus ringens | monkeyflower | 0.4 | | | | | | | | | |
| Scutellaria galericulata | hooded skullcap | 0.8 | | | | | | | | | |
| Vernonia noveboracensis | New York Ironweed | 1.3 | | | | | | | | | |
| Carex scoparia | pointed broom sedge | 7.3 | | | | | | | | | |
| Scripus hattorianus | Northern bulrush | 0.4 | | | | | | | | | |
| Desmodium canadense | showy tick-trefoil | 2 | | | | | | | | | |
| Symphyotrichum novae-angliae | New England American-aster | 1.3 | | | | | | _ | | | |
| Panicum virgatum | switch panicgrass | 12.5 | VT | | | | | | | | |
| Juncus effusus | common soft rush | 2 | | | | | | | | | |
| Chelone glabra | white turtlehead | 1 | | | | | | | | | |
| Eutrochium maculatum | spotted Joe-Pye weed | 0.1 | | | | | | | | | |
| Eupatorium perfoliatum | boneset thoroughwort | 0.7 | | | | | | | | | |
| Cirsium muticum | swamp thistle | 0.5 | VT | | | | | | | | |
| Helenium autumnale | fall sneezeweed | 0.7 | ME, VT | | | | | | | | |

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|-----------------------|------------------------------|----------|------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Scirpus cyperinus | common woolsedge, woolgrass | 0.4 | | | | | | | | | |
| Euthamia graminifolia | flat-top goldentop | 0.2 | ME | | | | | | | | |
| Tridens flavus | purple top | 12.3 | | | | | | | | | |
| Solidago rugosa | common wrinkle-leaved golder | 0.8 | | | | | | | | | |
| Solidago sempervirens | seaside goldenrod | 0.8 | | | | | | | | | |
| | | 100 | | | | | | | | | |

Composing Coastal Mix

When composing a seed mix, it is important that a seed mix consists of sequential blooms throughout the growing season. However, some species may not be available. Therefore, the list is separated into cover crops, grasses, and wildflowers. For cover crops, select the one appropriate for the time periods indicated in Column B. For grasses, make sure the mix includes those species that are essential to any Northeastern mix. However, it is best that a mix includes at least 5 species of grass species. Wildflower species are divided into groups based on similar bloom times. When composing together a mix, choose at least 3 to 5 species from each flowering period. However, for bloom periods with large numbers of multiple species from a particular genus, such as *Soliago* and *Symphyotrichum* in the late summer, avoid selecting only species from those genera.

| Cover crops | | |
|-----------------------------------|----------------------------------|---------------|
| | Use from Contember 1 to Amil 20 | 20 lbs /s sus |
| Secale cereale | Use from September 1 to April 30 | 30 lbs/acre |
| Echinochloa esculenta | Use from May 1 to July 31 | 10 lbs/acre |
| <u>Grasses (Graminoids)</u> | | |
| (Species colored green are essent | al to a mix) | |
| Botanical Name | Common Name | |
| Andropogon gerardii | big bluestem | |
| Elymus virginicus | Virginia wildrye | |
| Carex crinita | fringed sedge | |
| Carex lurida | sallow sedge | |
| Carex scoparia | pointed broom sedge | |
| Carex stricta | tussock sedge | |
| Carex vulpinoidea | common fox sedge | |
| Deschampsia flexuosa | wavy hair-grass | |
| Juncus effusus | common soft rush | |
| Juncus tenuis | path rush | |
| Panicum virgatum | switch panicgrass | |
| Schizachyrium scoparium | little bluestem | |
| Scirpus cyperinus | common woolsedge, woolgrass | |
| Scripus hattorianus | Northern bulrush | |
| Sorghastrum nutans | Indian grass | |
| Tridens flavus | purpletop tridens | |

Species with names in **blue** provide resources for specialist and endangered species of pollinators but are not necessarily workhorse species. Specialist pollinators have evolved a specific relationship with a few or even just one plant species. Including native forbs that cater to specialist pollinators helps combat the degradation of these pollinator populations

| <u>Wildflowers (Forbs)</u> | | |
|------------------------------|--------------------------|--|
| Late spring blooming species | | |
| Botanical Name | Common Name | |
| Asclepias tuberosa | butterfly milkweed | |
| Rudbeckia hirta | black-eye Susan | |
| Scutellaria lateriflora | mad dog skullcap | |
| Zizia aurea | common golden Alexanders | |
| | | |

| Early summer blooming species | | |
|-------------------------------|---------------------------------|--|
| Botanical Name | Common Name | |
| Asclepias incarnata | swamp milkweed | |
| Impatiens capensis | jewelweed | |
| Mimulus ringens | monkeyflower | |
| Monarda fistulosa | wild bergamot | |
| Scutellaria galericulata | hooded skullcap | |
| Vernonia noveboracensis | New York Ironweed | |
| | | |
| Mid-summer blooming species | | |
| Botanical Name | Common Name | |
| Chelone glabra | white turtlehead | |
| Cirsium muticum | swamp thistle | |
| Desmodium canadense | showy tick-trefoil | |
| Desmodium paniculatum | panicled tick-trefoil | |
| Eupatorium perfoliatum | boneset thoroughwort | |
| Eutrochium dubium | coastal plain Joe-Pye weed | |
| Eutrochium fistulosum | hollow Joe-Pye weed | |
| Eutrochium maculatum | spotted Joe-Pye weed | |
| Symphyotrichum novae-angliae | New England American-aster | |
| | | |
| Late summer blooming species | | |
| Botanical Name | Common Name | |
| Helenium autumnale | fall sneezeweed | |
| Euthamia graminifolia | flat-top goldentop | |
| Solidago rugosa | common wrinkle-leaved goldenrod | |
| Solidago sempervirens | seaside goldenrod | |
| Symphyotrichum cordifolium | heart-leaved American-aster | |
| Symphyotrichum lateriflorum | calico American-aster | |
| Symphyotrichum laeve | smooth blue aster | |
| Symphyotrichum novi-belgii | New York American-aster | |