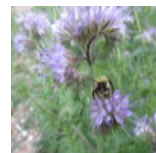


Broadleaf

Phacelia

Phacelia tanacetifolia



PLANT HARDINESS ZONE 5 DATASET

COVER CROP DESCRIPTION

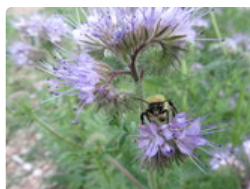
Unique forb with fernlike biomass. Not commonly grown in the Northeast US (well-known in Europe), info limited, seed costly. Winter-kill generally expected. Fast growth in mild temperatures, moderate biomass, residue not long-lasting. Fibrous shallow roots excellent for soil aggregation. Appears to have daylength response: in fall vegetative growth only; in spring goes to flower. Given that it rarely survives the winter, may do best if planted in spring when blooms are of interest. Showy blue blooms are excellent for pollinators.



Phacelia - Ackroyd [2020]



Phacelia - Brown [2020]



Phacelia - NancyLeeAdamson [2020]

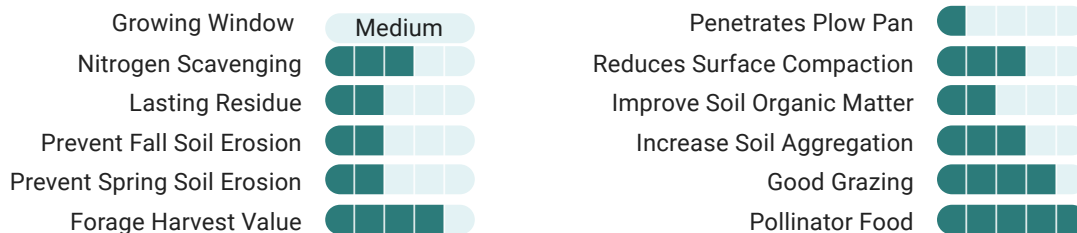


Phacelia - SarahFoltzJordan [2020]

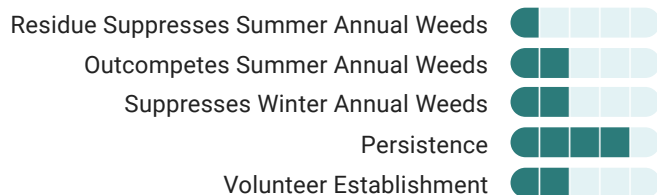


Phacelia - Salon [2020]

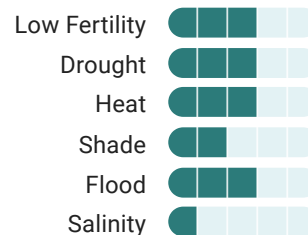
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



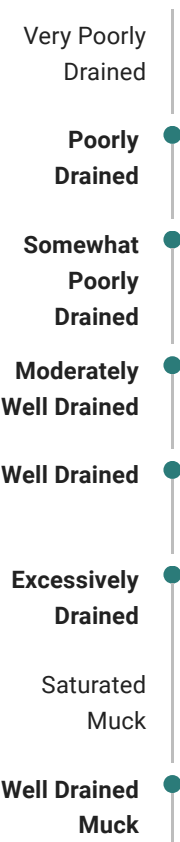


PLANT HARDINESS ZONE 5 DATASET

Growth Traits

| | |
|------------------------|--|
| Duration | Annual |
| Zone Use | Emerging |
| Shape And Orientation | Erect |
| Dry Matter (Lbs/A/Yr) | 2000 - 4000 |
| Soil Texture | Coarse |
| | Fine |
| | Medium |
| Soil pH | 6.4 - 8.6 |
| Soil Moisture Use | Medium |
| Hessian Fly Free Date? | No |
| Ease Of Establishment | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Establishes Quickly | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Early Spring Growth | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Flowering Trigger | Plant Size |
| Root Depth | Deep |

Soil Drainage



Planting

| | |
|---------------------------|--------------|
| Seeds Per Lb | 245000 |
| Seed Price Per Lb | \$ \$ \$ |
| Base Seeding Rate (Lbs/A) | 5 - 10 |
| Drilled Depth | 0.25" - 0.5" |
| Can Aerial Seed? | No |
| Can Frost Seed? | No |
| Min Germination Temp (°F) | 38 |

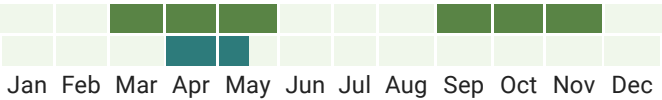
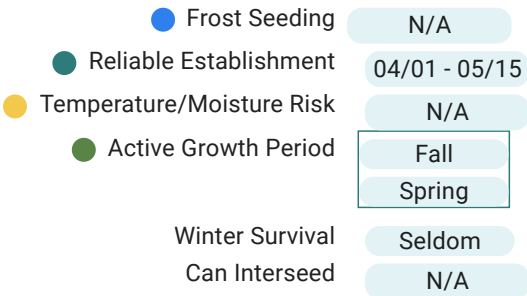
Termination

| | |
|---------------------------|--|
| Tillage At Vegetative | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Tillage At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Freezing At Vegetative | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Freezing At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Chemical At Vegetative | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Chemical At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Mow At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Roller-Crimp At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |



PLANT HARDINESS ZONE 5 DATASET

Planting and Growth Windows



Extended Comments

Weeds: Slow to release N to following crop unless growth terminated in mid-vegetative stage (12-18 in.)

Goals: Could be ranked a 5 (excellent) for Improves Soil Aggregation if it survives winter or otherwise has sufficient time in the ground to grow.

Pollinators: Top-rated cover crop for bees, along with buckwheat.

Insects: Purple tansy produces large amounts of nectar that can readily attract different family of parasitoids but it is not well adapted to the growing season in Maryland

References & Resources

Conservation Cover for Pollinators, Xerces Society for Invertebrate Conservation