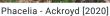


PLANT HARDINESS ZONE 5 DATASET

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 - Brown [2020]



Phacelia - NancyLeeAdamson [2020] Phacelia - SarahFoltzJordan [2020]





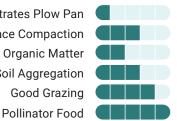
Phacelia - Salon [2020]

GOALS

Growing Window Nitrogen Scavenging Lasting Residue Prevent Fall Soil Erosion Prevent Spring Soil Erosion Forage Harvest Value

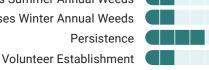


Penetrates Plow Pan **Reduces Surface Compaction** Improve Soil Organic Matter Increase Soil Aggregation **Good Grazing**

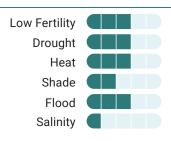


WEEDS

Residue Suppresses Summer Annual Weeds **Outcompetes Summer Annual Weeds** Suppresses Winter Annual Weeds

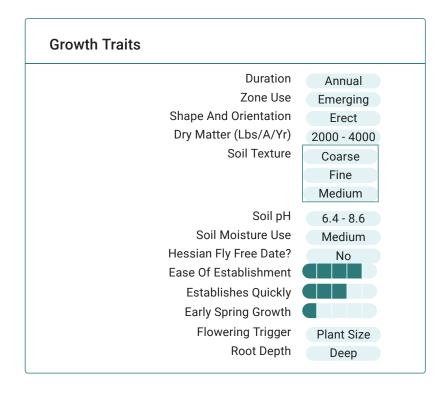


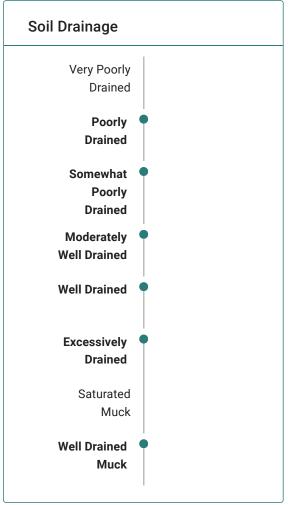
ENVIRONMENTAL TOLERANCES

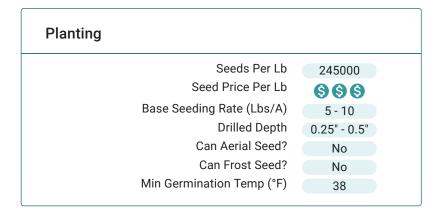


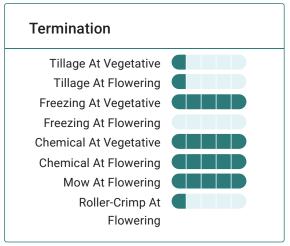


PLANT HARDINESS ZONE 5 DATASET











PLANT HARDINESS ZONE 5 DATASET



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 adapated to the growing season in Maryland

References & Resources

Conservation Cover for Pollinators, Xerces Society for Invertebrate Conservation