LEGUME

Pea, Winter Pisum sativum

This data is based on expert opinion.



Plant Hardiness Zone 7 Dataset



COVER CROP DESCRIPTION

Also known as Austrian Winter Pea. Vining cool-season annual. Variable winter hardiness. Excellent N-fixer, good biomass and forage. Low risk of reseeding and becoming weed. Sclerotinia crown rot can take out whole fields, rotate with non-susceptible crops to reduce risk. Inoculate the seed with appropriate Rhizobium spp. Cross inoculates vetch. If the goal is winter-wintering, select cultivar accordingly, avoid planting too early or late and plant at the deeper end of the recommended planting depth range. May be planted in spring, but potentially slower growth and slightly lower biomass and N fixation than spring peas. Mixes well with oat and radish. Will climb small grain in mixes. Succulent residues disappear and release N faster than vetch.





GOALS

Growing Window Medium Penetrates Plow Pan Nitrogen Scavenging **Reduces Topsoil Compaction** Lasting Residue Improve Soil Organic Matter Prevent Fall Soil Erosion Increase Soil Aggregation Prevent Spring Soil Erosion Supports Mycorrhizae **Promote Water Quality Good Grazing** Forage Harvest Value Pollinator Food Nitrogen Fixation

WEEDS

ENVIRONMENTAL TOLERANCES





BASIC AGRONOMICS

SOIL DRAINAGE





GROWTH

PLANTING

Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	Plant Size
Root Architecture	Тар
Root Depth	Medium

Seeds Per Lb	4000
Seed Price Per Lb	888
Base Seeding Rate (Lbs/A)	40 - 90
Drilled Depth	1" - 1.5"
Can Aerial Seed?	No

Can Frost Seed? No Pea/Vetch Inoculant Type 42

Min Germination Temp (°F)

TERMINATION

PLANTING DATES

Chemical At Flowering

Roller-Crimp At Flowering

Mow At Flowering

Tillage At Vegetative Frost Seeding N/A

Tillage At Flowering Reliable Establishment 08/15 - 09/25

Freezing At Vegetative Temperature/Moisture Risk N/A Freezing At Flowering

Can Interseed N/A Chemical At Vegetative