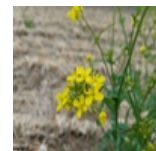


Brassica
Brassica, Forage
Brassica oleracea



PLANT HARDINESS ZONE 5 DATASET

COVER CROP DESCRIPTION

Assorted hybrids of rapeseed, radish, turnips, mustards, kales, and collards. Can be grown spring through fall; not winter hardy. Fast-growing. High biomass, good for forage and silage. Should not constitute the majority of livestock diet. Does not form associations with arbuscular mycorrhizal fungi. If grown for silage, plant in mix with a cover crop with higher dry matter such as cereal rye.

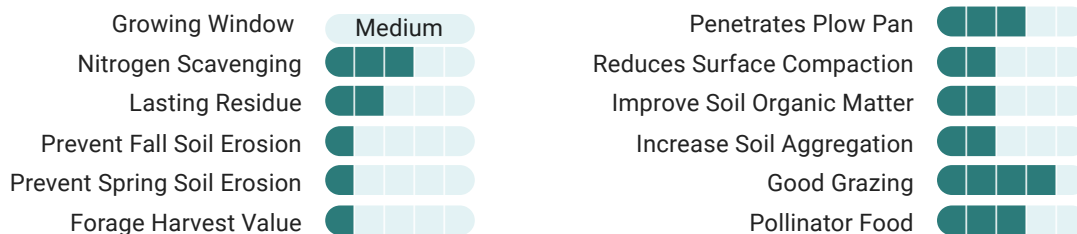


Brassica, Forage - Larson [2020]

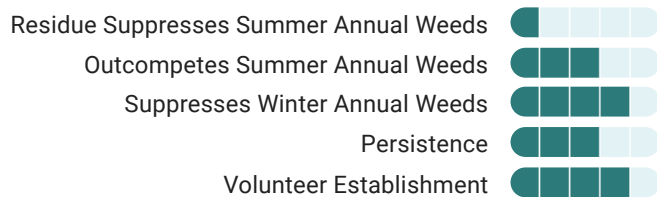


Brassica, Forage - Kelly Gill [2020]

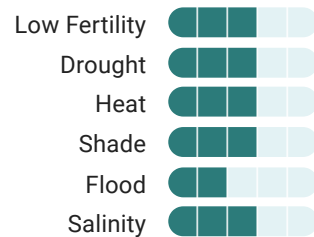
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES





PLANT HARDINESS ZONE 5 DATASET

Growth Traits

Duration	Annual
Zone Use	Emerging
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	1000 - 2500
Soil Texture	Medium
	Fine
Soil pH	undefined
Soil Moisture Use	Medium
Hessian Fly Free Date?	No
Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	Long Day Plant Size
Root Depth	Medium

Soil Drainage

Very Poorly Drained	
Poorly Drained	
Somewhat Poorly Drained	
Moderately Well Drained	
Well Drained	
Excessively Drained	
Saturated Muck	
Well Drained Muck	

Planting

Seeds Per Lb	100000
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	undefined
Drilled Depth	undefined
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	40

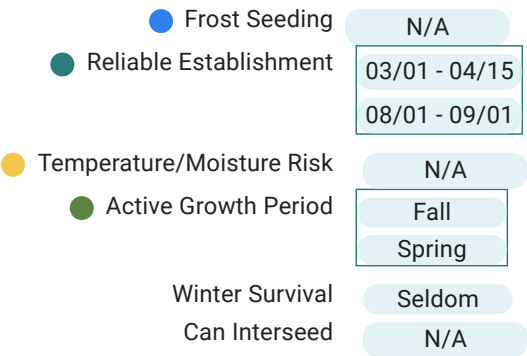
Termination

Tillage At Vegetative	
Tillage At Flowering	
Freezing At Vegetative	
Freezing At Flowering	
Chemical At Vegetative	
Chemical At Flowering	
Mow At Flowering	
Roller-Crimp At Flowering	



PLANT HARDINESS ZONE 5 DATASET

Planting and Growth Windows



Extended Comments

Basic Agronomics: Dry matter highly dependent on planting and termination date and precipitation. For grazing purposes, restrict to 75% of total ration or mixing with a grass is recommended. High glucosinolates interfere with mineral metabolism. Nitrate poisoning is possible if fed to livestock.

Forage and Grazing: Prior to 2015, this was considered a noxious weed in ON.

Weeds: Many Brassicas have hard seed; Can bolt under certain conditions and become a serious weed if allowed to go to seed.

Goals: Bloat risk and some other animal health concerns to manage when grazing brassicas.

Nematodes: Host for root-lesion nematode (*P. penetrans*).

References & Resources

Pasture Production of Selected Forage Species, University of New Hampshire Cooperative Extension

Plant Cover Crops, University of Maryland Extension

Cover Crops for Conservation Tillage Systems, Penn State Extension