

Legume

Clover, Berseem

Trifolium alexandrinum



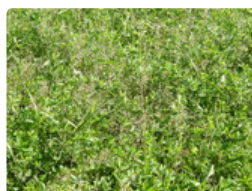
PLANT HARDINESS ZONE 5 DATASET

COVER CROP DESCRIPTION

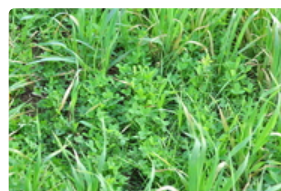
Also known as Egyptian clover. Used as a summer annual in the Northeast US. Least cold-hardy clover. Does not do well on droughty soils due to its shallow root system. Excellent N producer. High biomass and N production potential. Inoculate the seed with appropriate *Rhizobium* spp. Good in mixes with other species that winter-kill, especially grasses such as oats.



Clover, Berseem - Ziegler [2020]

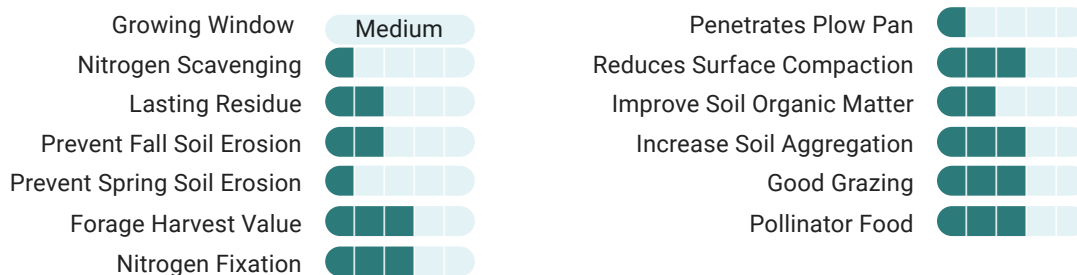


Clover, Berseem - Salon [2020]

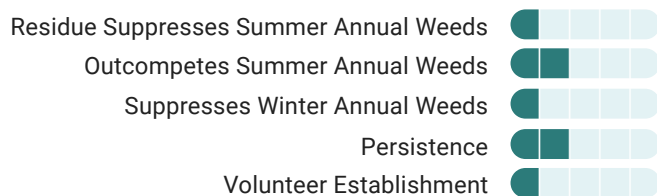


Clover, Berseem - Larson [2020]

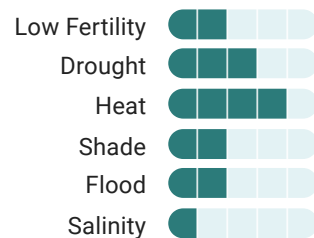
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES





PLANT HARDINESS ZONE 5 DATASET

Growth Traits

Duration	Annual
Zone Use	Emerging
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	800 - 1200
Soil Texture	Fine
	Medium
Soil pH	6.5 - 8
Soil Moisture Use	Medium
Hessian Fly Free Date?	No
Nitrogen Accumulation (Lbs/A/Yr)	40 - 70
Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	Vernalization
Root Depth	Shallow
Inoculant Type	Berseem Clover
	Crimson Clover

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	206880
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	
Drilled Depth	
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	42

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	



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Planting and Growth Windows

Frost Seeding	N/A
Reliable Establishment	05/15 - 08/15
Temperature/Moisture Risk	N/A
Active Growth Period	Summer
Winter Survival	NeverSeldom
Can Interseed	N/A



Extended Comments

Taxonomy: 'Frosty' has higher winter survival in zone 5 than older cultivars.

Environmental Tolerances: Older cultivars tend to be less cold hardy and less vigorous in Zone 5.

Termination: If using herbicides to terminate use a tank mixture (e.g., glyphosate + dicamba or 2,4-d)

Weeds: Hard seededness (persistence) varies by cultivar, with 'Bigbee' noted as having hard seed and most others as having low amounts of hard seed.

Pollinators: Delay termination until at least 30-50% bloom to maximize value to pollinators.

Nematodes: Host for root-knot and soybean cyst nematode

References & Resources

Cover Crops for Home Gardens, University of Maine Cooperative Extension
Selected Green Manures and Cover Crops for Maine, University of Maine