

Grass  
**Millet, Pearl**  
*Pennisetum glaucum*



## PLANT HARDINESS ZONE 7 DATASET

### COVER CROP DESCRIPTION

Tall summer annual grass. Does best under hot conditions. Fast growing. Has regrowth potential, particularly when mowed/grazed high. Improved forage types available, cultivars may vary widely. Mix with cowpea, sunn hemp, and sunflower for a diverse summer mix. Tall varieties are very similar to sorghum-sudangrass except slightly lower biomass potential but still a good smother crop; better on acid and droughty soils; less allelopathy potential; less reputation for subsoiling; no prussic acid forage toxicity (but nitrates still a concern).

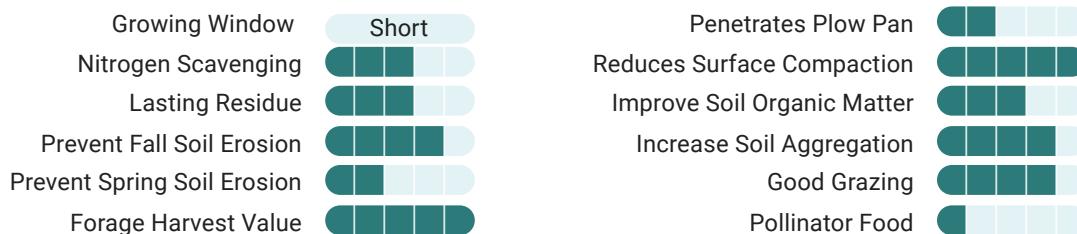


Millet, Pearl - Larson [2020]

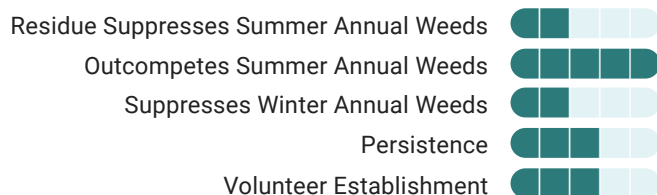


Millet, Pearl - Salon [2020]

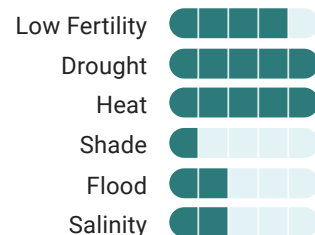
### GOALS



### WEEDS



### ENVIRONMENTAL TOLERANCES



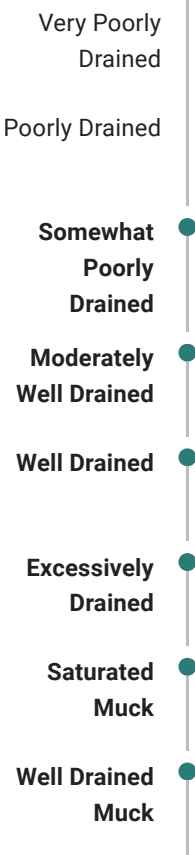


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Growth Traits

Duration	Annual
Zone Use	Emerging
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	3000 - 7000
Soil Texture	Coarse
	Medium
	Fine
Soil pH	4.5 - 8
Soil Moisture Use	Low
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	SizeShort
Root Depth	Medium

Soil Drainage



Planting

Seeds Per Lb	82300
Seed Price Per Lb	<div><div></div><div></div><div></div></div>
Base Seeding Rate (Lbs/A)	10 - 15
Drilled Depth	0.5" - 1"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	65

Termination

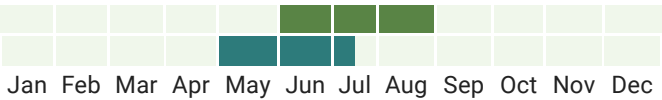
Tillage At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Tillage At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Flowering	<div><div></div><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>



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Planting and Growth Windows

Frost Seeding	N/A
Reliable Establishment	05/15 - 07/15
Temperature/Moisture Risk	N/A
Active Growth Period	Summer
Winter Survival	Never
Can Interseed	N/A



Extended Comments

**Nematodes:** Moderately resistant to root-knot nematode.

**Taxonomy:** ITIS name conflict: Cenchrus americanus

**Forage and Grazing:** Used as a summer forage cut to make baleage, or used for grazing. Use BMR forage varieties for grazing or baleage.

**Environmental Tolerances:** Does very poorly under low-N conditions like most grasses.

References & Resources

**Cover Crops and Green Manure Crops – Benefits, Selection, and Use**, Rutgers Cooperative Research and Extension  
**Summer Cover Crops**, Penn State Extension