

# Pearl Millet

*Pennisetum glaucum* | ADRF 6010 VALENTE

## BOTANICAL CHARACTERISTICS

Botanical name	<i>Pennisetum glaucum</i>
Common name	Pearl millet
Origin of the species	Sahara Desert
Life cycle	Summer Annual
Days to flowering	50 days
Soil fertility	Highly responsive to fertilizer

## IMPLEMENTATION | SOWING | ESTABLISHMENT

1000-Seed weight	n/a
Sowing rate	8-15 kg/ha
Sowing depth	2 cm
Sowing period	Spring
Row spacing	17 cm
Cropping method	Single or in mixes

## USAGE

Recommended for	Forage, silage (better quality than Sorghum)
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## MANAGEMENT

Pre-grazing height	70 cm
Post-grazing height	15-20 cm

## DISEASES & PESTS

Lodging (mature plants in seed crops)	Resistant
Leaf rust	Resistant
Stem rust	Resistant

## YIELD

Forage yield (if limited only by mean monthly rainfall during growing season)			
Low yield		80 mm → 7,200 kg DM/ha	
Medium yield		100 mm → 12,600 kg DM/ha	
High yield		150 mm → 14,400 kg DM/ha	
Maximum yield (same as irrigated)		175 mm → 27,000 kg DM/ha	
Cover crop		n/a	
DM (pasture)		16.5%	
Crude protein		16%-25%	
TDN (%)	61.8%	ADF (%)	33.8%
NDF (%)	59.7%	IVDMD (%)	n/a