



**DEFINED**

Crown Royale was bred primarily for quick re-growth and disease-free foliage. These characteristics make it an ideal choice for grazing or hay. It offers superior performance over a wide range of climates and latitudes. Crown Royale has demonstrated remarkable cold tolerance in Canada. It has also shown outstanding forage yield performance from the Northwest to the Southeast. It shows a maturity range similar to that of Pennlate and Latar. With its broad adaptability, Crown Royale is the king of orchardgrass.



# ECONOMIC VALUE

**HIGHER YIELDS—MORE PROFIT**

Crown Royale provides up to 10% higher yields over varieties such as Pennlate.

**PROFIT**

4.82 tons/acre of Crown Royale with MV\* of hay at \$110: \$530.20

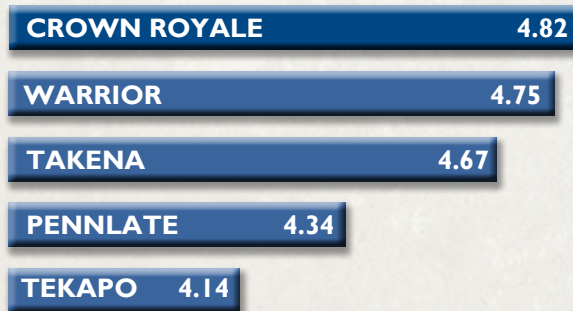
4.34 tons/acre of Pennlate with MV\* of hay at \$110/ton: \$477.40

\*MV = Market Value

**Profit of \$52.80 more per acre!**

**PENN STATE UNIVERSITY**

Rock Springs, PA 2000  
 Dry Matter Yield, Cool Season  
**Tons Per Acre**



# PLANTING GUIDE

<b>SEEDING RATE ALONE/ ACRE</b>	15–20 lbs
<b>SEEDING RATE IN MIX/ ACRE</b>	5–8 lbs
<b>SEEDING DEPTH</b>	1/4–1/2in
<b>DAYS TO GERMINATE</b>	10–21
<b>AVERAGE SEEDS PER LB</b>	570,000
<b>EASE OF ESTABLISHMENT</b>	Excellent
<b>LIFE CYCLE</b>	Perennial

# AGRONOMIC TRAITS

<b>FORAGE YIELD</b>	Excellent
<b>FORAGE QUALITY</b>	Excellent
<b>MATURITY</b>	Medium–Late
<b>PERSISTENCE</b>	Excellent
<b>PALATABILITY</b>	Excellent
<b>GROWTH HABIT</b>	Bunch
<b>DROUGHT TOLERANCE</b>	Good
<b>MOISTURE TOLERANCE</b>	Good
<b>HAY</b>	Excellent
<b>SILAGE</b>	Excellent
<b>PASTURE</b>	Excellent
<b>GROWTH</b>	Spring–Fall



## USES

### PASTURE

Crown Royale's growth characteristics make it well-suited for spring to early summer pastures. Its abundant forage and quick regrowth make it an excellent choice for rotational grazing. Crown Royale provides quality forage for all classes of livestock. Fields should be grazed heavily and frequently during the flush growth of spring, taking care not to overgraze.

### HAY AND SILAGE

Crown Royale provides improved yields of high-quality forage when properly managed. Yields of up to 7 tons of dry matter/acre are possible when managed properly and with irrigation or on sub irrigated soils. Higher elevation areas experience a short growing season, and yields of up to 5 tons of dry matter per acre are more typical.

### MANURE BUSTER

Crown Royale grows rapidly under high fertility, and its extensive root system makes it valuable in nutrient recycling. It can absorb up to 300 lb nitrogen per acre per year when grown on soils with adequate water supplies and drainage. Crown Royale is highly valued for its ability to produce high-quality forage while protecting groundwater from nitrate contamination.

## SUITABLE FOR



**DAIRY AND BEEF CATTLE**



**SHEEP AND GOATS**



**HORSES**



**PASTURE**



**HAY**



**SILAGE**



- Superior yield
- Improved crown rust resistance
- Highly palatable
- Excellent drought tolerance
- Rapid regrowth
- Medium to late maturity

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