



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

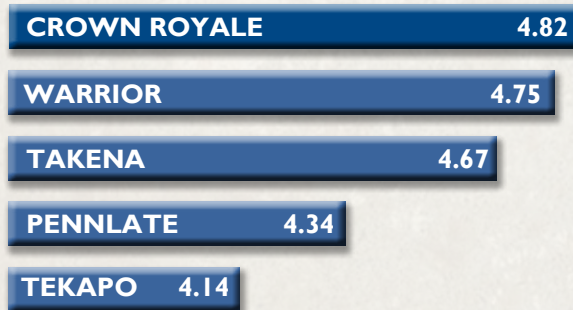
4.34 tons/acre of Pennlate with MV* of hay at \$110/ton: \$477.40

*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

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

AGRONOMIC TRAITS

FORAGE YIELD	Excellent
FORAGE QUALITY	Excellent
MATURITY	Medium–Late
PERSISTENCE	Excellent
PALATABILITY	Excellent
GROWTH HABIT	Bunch
DROUGHT TOLERANCE	Good
MOISTURE TOLERANCE	Good
HAY	Excellent
SILAGE	Excellent
PASTURE	Excellent
GROWTH	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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