

KoldKing

Orchardgrass Early

For Haylage and Forage



KoldKing is the best early maturing orchardgrass available for pasture and hay blends with cool season grasses. Bred in the West for resistance to weather extremes, *KoldKing* has a longer stand life than other orchardgrasses. It can be compared to tall fescue for persistence and yield. It also features excellent palatability, good feed value, heat and drought tolerance and strong disease resistance.

KoldKing has been widely tested from Ohio to British Columbia with excellent results. In Wisconsin it was one of two varieties having the highest animal intake over a 3-year period. In Northern CA in 2007, *KoldKing* was ranked #1 for ground cover and #2 for forage yield. In Ohio it was one of only three orchardgrass varieties receiving a superior score over 3 years of trials. In cold Eastern OR over a 3-year period, *KoldKing* was #1 out of 16 varieties.

Seeding Rate:

Pure Stands: 15-20 lbs. per acre

Grass/Hay Mix: 4-5 lbs. per acre



- Superior cold tolerance
- Strong drought tolerance
- Excellent persistence
- High feed value/palatability
- High dry matter yields

Wisconsin 3-Yr. Grazing Trial

7 Varieties – Total Intake

| | Ton/ac |
|-------------------|-------------|
| Benchmark | 7.24 |
| KoldKing | 7.06 |
| 4 Varieties (Avg) | 6.58 |
| Profile | 6.18 |

Washington Orchardgrass Trial 2008

| | Cut 1 | Cut 2 | Cut 3 | Total |
|-----------------|------------|------------|------------|------------|
| KoldKing | 2.5 | 1.4 | 1.3 | 5.2 |
| Benchmark Plus | 2.6 | 1.3 | 1.3 | 5.1 |
| Ambassador | 2.7 | 1.0 | 1.3 | 5.0 |

Dry Matter Yield/Persistence

Missouri Trial 1998-2008

| | Yr. 1 Yield Avg. | Yr. 3 Yield Avg. | % Change |
|----------------------|------------------|------------------|------------|
| KoldKing | 7149 | 7583 | +6% |
| 8 TF Varieties (Avg) | 7345 | 6462 | -12% |
| 9 OG Varieties (Avg) | 6221 | 4593 | -26% |

10 Orchardgrass Varieties vs. 8 Tall Fescue Varieties

Stand Density after Harvest

| | Year 1 | Year 3 |
|----------------------|------------|------------|
| KoldKing | 81% | 59% |
| 8 TF Varieties (Avg) | 70% | 54% |
| 9 OG Varieties (Avg) | 49% | 40% |

| Growth Habit | Estab. Rate Days | pH Range | Dry Matter Yield | Nitrogen Required | Anerobic Soil Tol. | CP% | NDF | ADF | Endophyte Enhanced |
|-----------------|------------------|----------|------------------|-------------------|--------------------|-------|-------|-------|--------------------|
| Perennial Bunch | 6-21 | 5.5-7.5 | 5-7 tons/ac | 40-80 lbs/ac | Poor | 18-35 | 50-58 | 30-36 | No |

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