



**VARIETY SUMMARY**

Koga tetraploid annual ryegrass is a very unique forage ideally suited for producers desiring late-season, highly vegetative ryegrass. Koga produces high-quality forage especially useful for demanding livestock, such as dairy and beef cattle. Koga may be safely grazed by all livestock, as well as harvested for stored feed. It can also be used as a cover crop.

**LATE SEASON GROWTH/MINIMAL STEMINESS**

Koga’s growth curve is notably later than many annual ryegrasses. This means Koga remains vegetative, tender and lush longer.

**KOGA FOR THE NORTH**

Northern producers can plant Koga in either the fall or spring. Koga has shown good winter hardiness, staying dormant through the colder winter months, but becoming very productive in late spring and providing extended production ideal for high demand livestock and late stored feed production. Koga may also be planted in the spring in regions with limited growing seasons. Koga should remain vegetative for longer than many other annual ryegrasses.

**KOGA FOR THE SOUTH**

Southern producers who are transitioning to another summer annual crop and have need of late grazing or stored feed should find Koga very useful. Producers overseeding permanent warm-season pastures should be aware that Koga’s late growth might hinder or damage re-emergence of warm season species. Visit [SmithSeed.com](http://SmithSeed.com) for a list of other varieties more suited for early harvest.

**PLANTING INFORMATION**

**Seeding Rate**

New Pastures: 25–35 lbs/ac,  
Overseeding: 10–15 lbs/ac

**Other Information**

Planting Depth 1/8”-1/2”  
Optimal pH Range 6.0–7.0  
Germination 5–10 days

**FIND MORE FORAGE RESOURCES AT SMITHSEED.COM**

**FORAGE QUALITY**

University of Tennessee, Greeneville, TN  
2018-19

April 22	CP	ADF	NDF	TDN
Koga	18.02	33.24	59.37	63.79
Average*	14.32	31.35	52.33	65.77
May 29	CP	ADF	NDF	TDN
Koga	10.2	44.90	67.59	51.57
Average*	8.98	42.05	66.01	54.55

\*Average included 28 entries.

**FORAGE YIELD**

Ohio State Univ., South Charleston, OH  
2017-18 Tons DM/A

Variety	May 11	May 29	Jun 19	Season Total
Koga	3.45*	1.18*	1.19*	5.86*
Winterhawk	2.78	0.79	0.71	4.30
Kodiak	2.77	0.68	0.66	4.12
McKinley	2.59	0.63	0.54	3.78
New Dawn	2.57	0.69	0.61	3.89
Sheriff	2.06	0.66	0.39	3.13
LSD P=.05	0.37	0.30	0.12	0.50

\* statistically equal to top score

**FORAGE YIELD**

University of Tennessee, Crossville, TN  
2017-18 Tons DM/A

Variety	Apr 10	May 2	May 29	Season Total
Koga	1.88	1.07	1.77*	4.72*
Kodiak	1.55	1.24	1.45	4.23*
Winterhawk	1.54	1.77*	1.41	4.73*
Ribeye	1.76	1.48*	1.36	4.59*
Nelson	2.53	1.11	1.27	4.91*
Jumbo	1.73	1.38*	1.27	4.38*
Angusta	1.72	1.26*	1.25	4.24*
Fria	2.17	1.50*	1.16	4.83*
Jackson	2.22	1.20	1.11	4.53*
Credence	1.56	1.30*	1.10	3.97
Maximus	1.67	0.73	1.03	3.42
GRAZER	1.67	1.37*	0.93	3.97
lsd	ns	0.52	0.31	1.04

\*statistically equal to top score