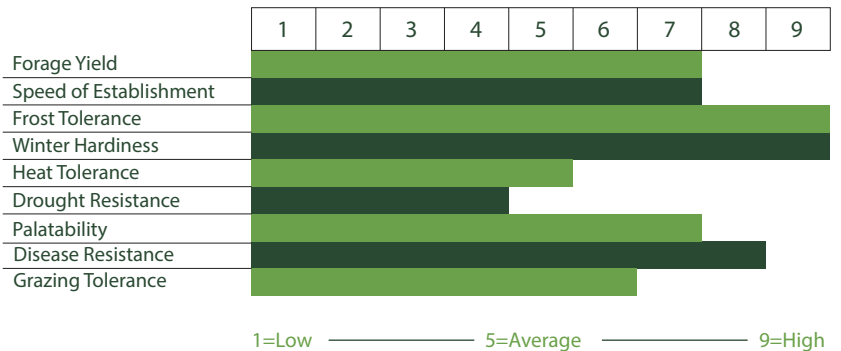


Winterhawk

COMMON NAME: Annual Ryegrass

SPECIES: *Lolium multiflorum*

Winterhawk was developed in collaboration with OreGro Research and Dr. Gordon Prine of University of Florida. Selected during several cold winters in Nebraska, Winterhawk is the premier winter hardy annual ryegrass. Excellent cold and frost tolerance allows Winterhawk to thrive in those regions where annual ryegrass is normally compromised by cold weather. Winterhawk is an excellent addition to a forage program for all species of livestock where wide adaptability is needed.



EARLY TO MEDIUM MATURITY

USAGE	LIVESTOCK
Pasture	Beef Cattle
Hay	Dairy Cattle
Silage	Sheeps/Goats
Green chop	Horses

SEEDING RATES

- Drill: 25-30 lb per acre
- Broadcast: 30-35 lb per acre
- Overseed: 25-40 lb per acre



Winterhawk

Forage

COMMON NAME:

Annual Ryegrass

SEED COUNT:

210,000 seeds/lb



FERTILIZER MANAGEMENT

- Always take a soil test and consult your local extension service or fertilizer dealer for specific recommendations.
- Correct soil acidity, best between 5.5 and 7.
- Sowing: depending on the results of the soil test, a complete fertilizer such as 16-16-16 is helpful for establishment.
- A minimum of 30-40 units of nitrogen after each grazing or cutting will maximize forage production.

CLIMATE

MONTHS OF SOWING

ZONES

	J	F	M	A	M	J	J	A	S	O	N	D
2A	●	●	●						●	●	●	●
3A		●	●						●	●	●	
4A			●	●	●				●	●		
4C	●	●	●	●	●				●	●	●	●
5, 6				●	●							

SOIL TYPE

Adapted to a wide variety of soil types from clay loam, to sandy loam. Can tolerate periodic flooding of no more than a week.

GRAZING MANAGEMENT

- Graze lightly when grass reaches 6 inches.
- Never graze below 3 inches.
- Short intensive grazing is ideal.
- Avoid grazing when frozen.
- Rotate out of grazing for 14-21 days.

CUTTING MANAGEMENT

- Never cut below 3 inches.
- Highest quality is at vegetative maturity.
- Optimum level of yield to quality ratio will usually maximize at boot stage.



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