



# Tiffany Teff Grass

*Proven Genetic Innovation*

## A Warm Season Annual Grass Hay with.... Quality and Palatability rivaling Timothy.

### Crop Origin

Teff is a warm season C4 annual grass that originated in Africa, where it was utilized mainly as a grain crop. An evaluation of the crop in the U.S. has identified it as an excellent forage hay when cut before grain maturity. Tiffany Teff Grass was recently identified from a large collection of plant introductions as one of the better forage producing lines of Teff.

### Plant Characteristics

Tiffany Teff Grass has the ability to produce high quality hay in a relatively short growing season. Teff can be cultivated on a wide range of soils and environments, tolerating drought to water logged conditions.

Tiffany Teff Grass is a fine stemmed annual grass similar in appearance to bunch grasses. It has large crowns and numerous tillers with a shallow massive fibrous root system. Plant height at maturity can range from 3-4 feet depending on the environment.

### Yield and Quality

The following results demonstrate Tiffany Teff Grass' yield and forage quality potential in two very different growing locations.



YIELD Entry	California Four Cuts T/A		Wisconsin Three Cuts T/A		% Trial Mean Average
	2007	2008	2007	2008	
Tiffany Teff Grass	6.43	5.56	6.71	5.84	100.3%
Corvallis	6.21	5.4	6.53		99.1%
Dessie	6.6	5.22		5.79	99.9%
Pharah	6.26	4.91	6.28	5.91	96.4%
VA-T1 Brown	6.3	5.39	6.66	5.78	99.7%
Average	6.38	5.34	6.61	5.87	
LSD (.05)	0.48	0.42	0.24	0.35	
CV%	7.6%	7.9%	2.6%	4.3%	

QUALITY Entry	% Crude Protein		NDF		NDFD		Milk/Ton		Milk/Acre	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
Tiffany Teff Grass	17.3	15.9	57.9	60.1	64.8	60.9	2846	2191	19101	13249
Corvallis	17		58.2		64.0		2818		18404	
Dessie		14.6		62.6	58.0	56.1		2028		12164
Pharah	16.8	15.4	58.7	60.6	64.7	60.9	2834	2162	17809	13238
VA-T1 Brown	16.6	15.4	58.7	61	64.4	60.2	2806	2151	18681	12891
Average	16.9	15.3	58.5	60.9	64.2	59.9	2815	2141	18647	13036
LSD (.05)	0.9	0.7	0.5	0.8	1.7	1.1	83	56	910	865
CV%	3.7%	3.5%	7.6%	0.9%	1.8%	1.3%	2.1%	1.8%	3.5%	4.7%

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## Crop Management

Teff can not tolerate frost and it is recommended to delay spring planting until soil temperature reach 65 F.

Teff is a very small seeded annual grass. The recommended planting rate is 8-10 pounds of coated seed per acre into a firm seed bed to promote good soil to seed contact. The planting depth should be 1/8 to 1/4 inch deep and should not exceed 1/4 inch. Adequate soil moisture or overhead irrigation is ideal for the crop's fast germination and seedling growth. Broadcast planting using a Brillion seeder/cultipacker or spinner type seeder is optimal.

Weed control prior to stand establishment is recommended. The split application of 50 to 60 total pounds of N for the season is usually adequate. Excessive fertilization should be avoided to prevent lodging.

Cut before maturity for best feed quality. The first crop depending on location is usually 55-60 days after planting and subsequent cuts can be expected in the same 45-55 day intervals. Rotary cutters are preferred but sickle cutters are fine as long as an even 3-4 inch stubble is left. This stubble provides the growing point for the next crop



## Crop Highlights

- Low input annual grass
- Tiffany Teff Grass is a warm season annual grass that requires a frost free growing season
- Teff is a great interim hay crop between alfalfa stands.
- A profitable rotational crop for alfalfa growers and the premium horse hay market.
- High quality hay for horse owners with excellent palatability and animal acceptance.
- Suitable for double cropping
- Good hay or pasture crop when late season plantings are required due to a crop failure.
- Very few disease or pest problems have been observed.
- Studies indicate Tiffany Teff Grass to be widely adapted and productive.

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