



Unmatched Persistence
Very High Yields
Increased Gains
Great Quality

If you want an orchardgrass that will last, even under intense grazing pressure, look no further than **Persist** orchardgrass! **Persist** orchardgrass was specifically selected for long-term performance and persistence under grazing.

Persistence – One of the best examples of Persist’s ability to out-last other orchardgrasses was demonstrated in SW Tennessee during a grazing trial with Benchmark. **After four years, there was a 70-80% stand of Persist compared to a 0-10% stand of Benchmark. Even after six years, the Persist stand was still very adequate for grazing!**

Yield – Persist has consistently demonstrated the ability to produce high yields. In trials at Lexington and Princeton, KY in 1993 and 1994, Persist produced the highest yield over the 2 years at both locations. **In 2004-06 Persist AGAIN had the highest recorded yields of all commercially available varieties at both the Lexington and Quicksand locations.**

Quality/Feed Value - Persist is equal to Benchmark, Potomac, Haymate and Warrior in crude protein, acid detergent fiber, and neutral detergent fiber concentrations

Animal Gain – In a recent grazing experiment, Persist out-performed KY-31 tall fescue by nearly double the gains. **In 82 days of grazing, steer gained 99 lbs on Persist and 127 lbs on Persist with clover, compared to gains of only 59 lbs on KY-31!** This data was consistent for the first two years of the experiment.

Establishment/Vigor - Persist is easily established and has excellent seedling vigor. Use of clover or other legumes can also increase persistence and yield.

Maturity – Persist is similar in maturity date to Potomac and Benchmark but consistently produces more forage later in the season.

Adaptation – Persist is adapted from the northern to the extreme southern range of the middle southern USA.

Seeding Rate - Seed Persist at 15-18 lbs per acre for straight seedings. If using with other grasses or legumes, seed at 8-10 lbs. per acre. For best weed control plant clovers after adequate establishment and weed management has been performed.

Visit PersistOrchardgrass.com for more information.

Now you know why we say, “Plant for Keeps!”

“The most significant and important attribute of Persist is persistence. After four years of the grazing experiment, in which there was additional grazing and drought stress during the last 2 years, there was a 70 to 80% stand of Persist compared to a 0 to 10% stand of Benchmark...” John Waller, Univ. of TN

University of KY – YIELD DATA 2004-06 (3-year total)		
Variety	Quicksand	Lexington
Persist	14.44	12.96
Benchmark Plus	14.30	Not entered
Takena II	14.17	11.61
Udder	14.11	10.65
Tekapo	13.99	Not entered
Prairie	13.98	Not entered
Haymate	13.80	Not entered
Hallmark	12.89	10.76
Crown Royal Plus	12.96	Not entered
Intensiv	Not entered	10.75
Vision	8.97	6.62
Isd	1.35	1.86

2004-05 Spring Steer Performance Ames Plantation, SW TN 82 days of Grazing (2-yr ave.)			
Variety	Starting Weight	Ending Weight	Ave. Daily Gain
Persist & Clover	661 lbs	776 lbs	1.55 lbs
Persist	640	742	1.21
KY-31 TF	690	747	0.72

Persist is available through:

NUTRITION DATA FROM PENN STATE

Data from Penn State confirms that Persist's nutritional quality is just as good as its ability to persist and provide high yields.

Penn State – Rock Springs, PA 2005 Quality Date Measured with NIR			
Variety	Protein	ADF	NDF
Barexcel	15.6	26.7	56.5
Persist	14.9	27.4	57.4
Command	14.7	28.4	57.8
Bounty	15.4	27.1	58.0
Niva	15.4	28.2	58.5
Century	15.1	27.0	58.3
Pennlate	15.1	27.2	58.3
Extend	14.6	27.6	58.5
Shiloh II	14.8	28.2	59.5
Haymaster	13.2	30.0	60.9
Athos	13.0	32.9	61.9
Barlemas	13.5	31.7	62.0

YIELD DATA FROM URBANA

In the 2004 Urbana, IL grass trial, five orchardgrass varieties were tested. The trial was seeded April 3rd, 2004 on silty-clay loam. Fertilizer applications were 50lbs of N 30 days before each harvest. While the 3-yr total for each variety remains statistically equal, it is worth noting that the Persist was the highest yielding variety in the third year. If the trial continues on for multiple years, we would expect Persist to remain at the top of yield performance.

Forage Yields - Urbana, IL 2004-07				
Cultivar	2005 Yields	2006 Yields	2007 Yields	3-Yr Total
Ambassador	5.31*	7.67*	4.46*	17.44*
Persist	4.33	7.26*	5.32*	16.91*
Takena 2	4.24	7.46*	5.15*	16.84*
Profile	4.12	7.01*	4.37*	15.51*
Potomac	3.91	6.87*	3.96	14.74
Isd	0.87	1.10	1.02	2.48

* Statistically equal to the top score

YIELD DATA FROM KNOXVILLE, TN - 1990 THRU 1994

In the fall of 1989 a forage trial study was planted at Knoxville, TN where dry mater yield data, by individual cutting date was obtained for five years. The test included Persist (called Syn-2 at the time), and six commercially grown cultivars.

SUMMARY:

Yields of Persist exceeded that of the mean every year. Of particular significance was its superior performance in the last two years of the trial - indicating longer persistence than the other cultivars. Additionally, *Persist was almost always the highest yielding variety during the last two or three cuts.*

1990-94 Dry Matter Yields - Knoxville, Tennessee Five-Year Summary							
Cultivar	1990	1991	1992	1993	1994	Ave.	5-yr Total
Persist	6,676*	5,995*	5,451	6,746*	6,258*	6,225*	31,126*
Potomac	6,077	5,185	5,003	6,325	5,896	5,697	28,486
Rancho	5,921	5,497	5,195	6,338	4,788	5,548	27,739
Ambassador	6,355	5,456	5,584*	5,086	5,359	5,568	27,840
Shiloh	6,509	5,755	5,130	5,749	5,557	5,740	28,700
Benchmark	6,304	5,594	5,204	6,241	5,745	5,818	29,088
Green's Exp.	6,003	4,884	5,178	6,161	5,085	5,462	22,875
standard error	104.7	13.8	75.2	201.1	188.3	85.7	-

*highest score