



- ▶ Great Rust Resistance
- ▶ Great Cold Tolerance
- ▶ Great Forage Yield

*Meet **Ed**... a new diploid annual ryegrass out of the University of Florida selected for improved crown rust, cold tolerance and high yield. **Ed** has been in numerous trials throughout the South since 1999, where it has out-performed many other diploid and tetraploid varieties.*

Crown Rust Resistance – As many producers know, Crown rust (*Puccinia coronata*) can greatly reduce forage production. **Ed** diploid annual ryegrass has been specifically bred by the University of Florida to be resistant to Crown rust. Recent test data from Texas confirms that the breeders succeeded. In Overton and Beaumont Texas, **Ed** scored better in crown rust resistance 50 times against other varieties, and was equal to other varieties 26 times! Only 5 varieties had a higher resistance score, and that was in one location. All 5 varieties had equal resistance scores in the other location. ***Ed is disease resistant!***

Crown Rust Resistance – Texas Trials*			
Variety	Overton 05/00	Beaumont 04/00	Beaumont 04/02
	0-9; 0 = no disease, 9 = dead plants		0-3; 2.5 = susceptible
Best trial score	0	0	0.0
Ed	0	1	0.0
Worst trial score	5	8	2.7

Cold Tolerance – Unseasonable cold periods can result in plant damage, and sometimes lower yields. According to data from Texas and Florida, **Ed** has shown improved cold tolerance and resistance to extended periods below freezing. ***Ed is a survivor!***

Cold and Freeze Damage*		
Variety	Hague, FL – 01/01 Damage level 0-10, 0 = no damage	Overton, TX - 03/02 Damage level 0-9, 0 = no damage
Best trial score	1.5	1.5
Ed	2.3	2.0
Worst trial score	5.0	3.0

High Yield – A high yielding variety means greater tonnage, faster animal gains, and the ability to increase stock density. **Ed** has been trialed in over 25 locations throughout the South, consistently showing above average yields. ***Ed is a producer!***

Average Yields in lbs Dm/acre*							
Variety	Alabama 4 locations 2 years	Louisiana 6 locations 1 year	Oklahoma 1 location 2 years	Texas 2 locations 3 years	Mississippi 4 locations 2 years	Florida 4 locations 3 years	Georgia 4 locations 3 years
Ed	6889	8266	7317	7116	5565	7225	8485
Gulf	6427	7770	6944	6376	5369	n/a	n/a

Ed – The Disease-resistant, Cold-tolerant, High-production diploid annual ryegrass!

• Complete trial data available upon request.



YIELD DATA

**Ed was NUMBER 1
in Mississippi in 2003-04!**

Yield Trials - Mississippi				
3 Locations in Mississippi, 2003-2004				
Variety	Newton	Raymond	Starkville	Average
	lb/A	lb/A	lb/A	lb/A
Ed	7704	10381	5421	7835
Tam 90	7099	10212	5899	7737
Jackson	7840	9412	4924	7392
Passerel Plus	7738	7656	6354	7249
Ribeye	6839	10034	4666	7180
Stampede	7217	8706	5437	7120
Jumbo	7125	8855	5173	7051
Gulf	6700	8982	5382	7021
Graze N Gro	6910	8865	5006	6927
RIO	7244	7394	5533	6724

**Ed was NUMBER 2
in Tallahassee in 2004!**

Yield Trials Tallahassee	
2-yr average 2002-2004	
Jackson	3190
Ed	3172
Prine	3156
Tam 90	3072
Gulf (Source A)	3040
Brigadier	3040
Jumbo	2993
Ribeye	2987
Passerel Plus	2764

**Ed was NUMBER 3
in Georgia in 2002-04!**

Yield Trials - Georgia					
4 Locations, 3-yr average, 2001-2004					
	Tifton	Plains	Griffin	Calhoun	Statewide
Variety	lb/A	lb/A	lb/A	lb/A	lb/A
Prine	9647	8707	8445	10811	9402
Ed	9000	8371	8719	10666	9189
Jumbo	9747	8527	7858	10119	9063
Passerel Plus	8989	8452	8132	10440	9003
Brigadier	9046	8259	7907	10187	8850
Big Daddy	9765	8484	7870	9275	8848
Ribeye	8945	8131	7921	10138	8784
Jackson	8725	8118	8136	10150	8782
ME94	8949	8304	7881	9995	8782
TAM 90	8808	8288	7619	10282	8749

**Ed was NUMBER 3
in Overton, TX in 2001-03!**

Yield Trials Overton, TX	
3-yr average 2000-2003	
Jumbo	7211
Prine	7166
Ed	7057
Brigadier	6678
Jackson	6520
Gulf	6375
Ribeye	6373
TAM 90	6361
Passerel Plus	6283