

## Barley

### Plains, Georgia: Barley Grain Performance, 2004-2005

Brand-Variety	Yield <sup>1</sup>		2005 Data						
	3-Year Average	2-Year Average	Rank	Yield <sup>1</sup> bu/acre	Test Wt lb/bu	Ht in	Lodg. %	Winter Survival %	Head Date mo/day
	----- bu/acre -----	----- bu/acre -----							
Price	<b>90.2</b>	<b>102.1</b>	4	109.3	49.2	32	87	100	04/04
Nomini	<b>83.2</b>	<b>99.3</b>	3	<b>117.9</b>	47.1	41	5	100	04/07
Callao	<b>81.6</b>	<b>89.6</b>	5	98.7	47.4	32	96	100	04/04
Thoroughbred	.	<b>118.0</b>	1	<b>131.3</b>	46.5	40	25	100	04/12
Doyce	.	<b>86.4</b>	6	87.6	57.1	34	91	100	03/29
GA-Acton	.	.	2	<b>121.2</b>	40.6	43	65	100	04/08
Average	85.0	99.1		111.0 <sup>2</sup>	48.0	37	62	100	04/05
LSD at 10% Level	N.S. <sup>3</sup>	N.S.		13.5	1.3	1	33	-	-
Std. Err. of Entry Mean	4.1	5.5		5.4	0.5	1	13	-	-

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.

2. C.V. = 9.8%, and df for EMS = 15.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 15, 2004.

Harvested: June 16, 2005.

Seeding Rate: 15 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.1.

Fertilization: Preplant: 56 lb N, 88 lb P<sub>2</sub>O<sub>5</sub>, and 24 lb K<sub>2</sub>O/acre.

Topdress: 80 lb N/acre.

Management: Subsoiled and rototilled.

Previous Crop: Cotton.

Test conducted by A. E. Coy, R. B. Bennett, R. E. Brooke, R. D. Burton, and R. R. Pines.

## Calhoun, Georgia: Barley Grain Performance, 2004-2005

Brand-Variety	Yield <sup>1</sup>		Rank	Yield <sup>1</sup> bu/acre	Test Wt lb/bu	Ht in	2005 Data				
	3-Year Average ---- bu/acre ----	2-Year Average ----					Lodg. %	Winter Survival %	Head Date mo/day	Bird Damage %	BYD <sup>2</sup> %
Price	<b>59.6</b>	<b>83.9</b>	1	<b>53.8</b>	56.5	37	64	100	04/12	8	10
Callao	<b>49.7</b>	<b>66.2</b>	5	37.5	55.0	34	88	100	04/11	24	8
Nomini	<b>44.9</b>	<b>61.5</b>	6	13.3	52.8	44	0	100	04/10	84	0
GA-Acton	<b>42.1</b>	<b>58.9</b>	3	41.6	52.3	40	8	100	04/12	29	25
Doyce	.	<b>70.0</b>	2	44.1	57.6	39	70	100	04/11	4	3
Thoroughbred	.	<b>69.6</b>	4	37.6	55.2	39	61	100	04/12	20	10
Average	49.1	68.3		38.0 <sup>3</sup>	54.9	39	48	100	04/11	28	9
LSD at 10% Level	N.S. <sup>4</sup>	N.S.		6.3	1.9	2	25	-	N.S.	20	7
Std. Err. of Entry Mean	2.1	3.2		2.5	0.8	1	10	-	01	8	2

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.
2. Percentage Barley Yellow Dwarf disease, whole plant.
3. C.V. = 13.3%, and df for EMS = 15.
4. The F-test indicated no statistical difference at the alpha = 0.1 probability level; therefore, an LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 26, 2004.

Harvested: June 14, 2005.

Seeding Rate: 15 seeds per foot in 7" rows.

Soil Type: Waynesboro loam.

Soil Test: P = High, K = High, and pH = 6.2.

Fertilization: Preplant: 50 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 75 lb K<sub>2</sub>O/acre.

Topdress: 100 lb N/acre.

Management: Moldboard plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by P. A. Rose and J. Stubbs.

## Summary of Barley Yields: Georgia, 2004-2005 with Two- and Three-Year Averages

Brand-Variety	Yield <sup>1</sup>								
	South <sup>2</sup>			North <sup>3</sup>			Statewide		
	3-Year Average	2-Year Average	2005	3-Year Average	2-Year Average	2005	3-Year Average	2-Year Average	2005
	----- bu/acre -----								
Callao	<b>81.6</b>	<b>89.6</b>	98.7	.	<b>66.2</b>	37.5	<b>75.4</b>	<b>77.9</b>	<b>68.1</b>
Doyce	.	<b>86.4</b>	87.6	.	<b>70.0</b>	44.1	.	<b>78.2</b>	<b>65.9</b>
GA-Acton	.	.	<b>121.2</b>	.	<b>58.9</b>	41.6	.	.	<b>81.4</b>
Nomini	<b>83.2</b>	<b>99.3</b>	<b>117.9</b>	.	<b>61.5</b>	13.3	<b>74.5</b>	<b>80.4</b>	<b>65.6</b>
Price	<b>90.2</b>	<b>102.1</b>	109.3	.	<b>83.9</b>	<b>53.8</b>	<b>87.7</b>	<b>93.0</b>	<b>81.6</b>
Thoroughbred	.	<b>118.0</b>	<b>131.3</b>	.	<b>69.6</b>	37.6	.	<b>93.8</b>	<b>84.4</b>
Average	85.0	99.1	111.0	.	68.4	38.0	79.2	84.7	74.5
LSD at 10% Level	N.S. <sup>4</sup>	N.S.	13.5		N.S.	6.3	N.S.	N.S.	N.S.
Std. Err. of Entry Mean	4.1	5.5	5.4		3.2	2.5	2.8	3.2	3.0

1. Yields calculated at 48 pounds per bushel at 12% moisture.

2. Plains.

3. Calhoun.

4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).