



18.15/Jan/070.83 IN  
 19.17/Jan/070.01 IN  
 20.18/Jan/070.29 IN  
 21.19/Jan/070.09 IN  
 22.21/Jan/071.28 IN  
 23.22/Jan/070.01 IN  
 24.23/Jan/070.02 IN  
 25.24/Jan/070.01 IN  
 26.27/Jan/070.81 IN  
 27.31/Jan/070.65 IN  
 28.1/Feb/07 0.33 IN  
 29.2/Feb/07 0.01 IN  
 30.8/Feb/07 0.11 IN  
 31.9/Feb/07 0.07 IN  
 32.12/Feb/070.1 IN  
 33.13/Feb/070.61 IN  
 34.24/Feb/070.65 IN  
 35.25/Feb/070.01 IN  
 36.1/Mar/07 1.17 IN  
 37.27/Mar/070.01 IN  
 38.31/Mar/070.63 IN  
 39.1/Apr/07 0.93 IN  
 40.2/Apr/07 0.01 IN  
 41.4/Apr/07 0.46 IN  
 42.10/Apr/040.08 IN  
 43.14/Apr/070.36 IN  
 44.18/Apr/070.28 IN  
 45.23/Apr/070.02 IN  
 46.25/Apr/070.35 IN  
 47.26/Apr/070.01 IN  
 48.2/May/07 0.04 IN  
 49.3/May/07 1.24 IN  
 50.15/May/070.02 IN  
 51.16/May/070.01 IN  
 52.17/May/070.01 IN

#### Application Description

A

**Application Date:** 14/Dec/06  
**Application Method:** SPRAY  
**Application Timing:** 2 LF  
**Application Placement:** BROFOL  
**Air Temperature, Unit:** 65 F  
**% Relative Humidity:** 75  
**Wind Velocity, Unit:** 3.5 MPH  
**Wind Direction:** SE  
**Soil Temperature, Unit:** 66 F  
**Soil Moisture:** DAMP  
**% Cloud Cover:** 0

#### Crop Stage At Each Application

A

**Crop 1 Code, BBCH Scale:** TRZAW BCER  
**Stage Scale Used:** 3 LF  
**Stage Majority, Percent:** 3"  
**Stage Minimum, Percent:** 3"

#### Application Equipment

A

**Appl. Equipment:** Backpack  
**Operating Pressure, Unit:** 31 PSI  
**Nozzle Type:** Greenleaf  
**Nozzle Size:** 11002

|                              |       |     |
|------------------------------|-------|-----|
| <b>Nozzle Spacing, Unit:</b> | 20    | "   |
| <b>Nozzles/Row:</b>          | 2     |     |
| <b>Carrier:</b>              | Water |     |
| <b>Spray Volume, Unit:</b>   | 15    | gpa |
| <b>Mix Size, Unit:</b>       | 0.5   |     |
| <b>Propellant:</b>           | CO2   |     |

# LSU Northeast Research Station

## Wheat Tolerance to Sencor

Trial ID: SJ07W002

Protocol ID: SJ07W002

Location:

Study Director:

Investigator: Bill Williams

| Pest Type         |                                       |           |           |           |          |           |        |       |       |
|-------------------|---------------------------------------|-----------|-----------|-----------|----------|-----------|--------|-------|-------|
| Crop Code         |                                       |           | TRZAW     | TRZAW     | TRZAW    | TRZAW     | TRZAW  | TRZAW | TRZAW |
| Crop Name         |                                       |           | Wheat     | Wheat     | Wheat    | Wheat     | Wheat  | Wheat | Wheat |
| Part Rated        |                                       |           | PLATOT    | CPLATOT   | CPLATOT  | CPLATOT   | CGRAIN | C     | C     |
| Rating Date       |                                       |           | 20/Dec/06 | 27/Dec/06 | 1/Feb/07 | 24/May/07 |        |       |       |
| Rating Data Type  |                                       |           | INJURY    | INJURY    | INJURY   | Moisture  |        |       |       |
| Rating Unit       |                                       |           | %         | %         | %        | %         |        |       |       |
| Rating Timing     |                                       |           |           |           |          |           |        |       |       |
| Trt-Eval Interval |                                       |           | 6 DA-A    | 13 DA-A   | 49 DA-A  | 161 DA-A  |        |       |       |
| Trt Treatment     | Rate                                  | Growth    |           |           |          |           |        |       |       |
| No.               | Name                                  | Rate Unit | Stage     | 1         | 2        | 3         | 4      |       |       |
| 1                 | non-treated<br>USG 3592               |           |           | 0         | g 0      | f 0       | f 12   | a     |       |
| 2                 | non-treated<br>AGRIPRO COKER/MAGNOLIA |           |           | 0         | g 0      | f 0       | f 11   | a     |       |
| 3                 | non-treated<br>AGS 2060               |           |           | 0         | g 0      | f 0       | f 11   | a     |       |
| 4                 | non-treated<br>CROPLAN 8302           |           |           | 0         | g 0      | f 0       | f 11   | a     |       |
| 5                 | non-treated<br>DELTA GROW 1600        |           |           | 0         | g 0      | f 0       | f 9    | a     |       |
| 6                 | non-treated<br>DELTA GROW 5200        |           |           | 0         | g 0      | f 0       | f 10   | a     |       |
| 7                 | non-treated<br>DIXIE 989              |           |           | 0         | g 0      | f 0       | f 12   | a     |       |
| 8                 | non-treated<br>LA98202D-64-1-C        |           |           | 0         | g 0      | f 0       | f 11   | a     |       |
| 9                 | non-treated<br>PIONEER/26R87          |           |           | 0         | g 0      | f 0       | f 12   | a     |       |
| 10                | non-treated<br>USG 3295               |           |           | 0         | g 0      | f 0       | f 9    | a     |       |
| 11                | non-treated<br>DK 9577                |           |           | 0         | g 0      | f 0       | f 13   | a     |       |
| 12                | non-treated<br>TERRAL TV8558          |           |           | 0         | g 0      | f 0       | f 10   | a     |       |
| 13                | non-treated<br>AGS 2000               |           |           | 0         | g 0      | f 0       | f 13   | a     |       |
| 14                | non-treated<br>AGRIPRO COKER/PANOLA   |           |           | 0         | g 0      | f 0       | f 13   | a     |       |
| 15                | non-treated                           |           |           | 0         | g 0      | f 0       | f 12   | a     |       |

|               |                        |   |          |   |   |     |      |       |   |
|---------------|------------------------|---|----------|---|---|-----|------|-------|---|
| PIONEER/26R61 |                        |   |          |   |   |     |      |       |   |
| 16            | non-treated            |   | 0        | g | 0 | f 0 | f 11 | a     |   |
|               | USG 3209               |   |          |   |   |     |      |       |   |
| 17            | non-treated            |   | 0        | g | 0 | f 0 | f 10 | a     |   |
|               | AGRIPRO COKER 9553     |   |          |   |   |     |      |       |   |
| 18            | non-treated            |   | 0        | g | 0 | f 0 | f 12 | a     |   |
|               | DK GR9108              |   |          |   |   |     |      |       |   |
| 19            | non-treated            |   | 0        | g | 0 | f 0 | f 11 | a     |   |
|               | TERRAL LA482           |   |          |   |   |     |      |       |   |
| 20            | non-treated            |   | 0        | g | 0 | f 0 | f 12 | a     |   |
|               | TERRAL LA841           |   |          |   |   |     |      |       |   |
| 21            | non-treated            |   | 0        | g | 0 | f 0 | f 12 | a     |   |
|               | AGS 2010               |   |          |   |   |     |      |       |   |
| 22            | non-treated            |   | 0        | g | 0 | f 0 | f 13 | a     |   |
|               | LA95135                |   |          |   |   |     |      |       |   |
| 23            | non-treated            |   | 0        | g | 0 | f 0 | f 10 | a     |   |
|               | LA95171CA58-3-2-C      |   |          |   |   |     |      |       |   |
| 24            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 5   | def0 | f 10  | a |
|               | USG 3592               |   |          |   |   |     |      |       |   |
| 25            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 0  | f 9   | a |
|               | AGRIPRO COKER/MAGNOLIA |   |          |   |   |     |      |       |   |
| 26            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 4  | ef 9  | a |
|               | AGS 2060               |   |          |   |   |     |      |       |   |
| 27            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 0  | f 14  | a |
|               | CROPLAN 8302           |   |          |   |   |     |      |       |   |
| 28            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 5   | def1 | f 12  | a |
|               | DELTA GROW 1600        |   |          |   |   |     |      |       |   |
| 29            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 8   | def1 | f 11  | a |
|               | DELTA GROW 5200        |   |          |   |   |     |      |       |   |
| 30            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 0  | f 12  | a |
|               | DIXIE 989              |   |          |   |   |     |      |       |   |
| 31            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 0  | f 11  | a |
|               | LA98202D-64-1-C        |   |          |   |   |     |      |       |   |
| 32            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 1  | f 9   | a |
|               | PIONEER/26R87          |   |          |   |   |     |      |       |   |
| 33            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 53  | a 13 | de 11 | a |
|               | USG 3295               |   |          |   |   |     |      |       |   |
| 34            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 3  | f 11  | a |
|               | DK 9577                |   |          |   |   |     |      |       |   |
| 35            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 3  | f 13  | a |
|               | TERRAL TV8558          |   |          |   |   |     |      |       |   |
| 36            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 3   | ef 0 | f 11  | a |
|               | AGS 2000               |   |          |   |   |     |      |       |   |
| 37            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 3   | ef 1 | f 12  | a |
|               | AGRIPRO COKER/PANOLA   |   |          |   |   |     |      |       |   |
| 38            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 0   | f 1  | f 12  | a |
|               | PIONEER/26R61          |   |          |   |   |     |      |       |   |
| 39            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 30  | c 10 | def12 | a |
|               | USG 3209               |   |          |   |   |     |      |       |   |
| 40            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 8   | def0 | f 11  | a |
|               | AGRIPRO COKER 9553     |   |          |   |   |     |      |       |   |
| 41            | Sencor 75DF            | 3 | OZ/A2 LF | 0 | g | 18  | d 5  | ef 10 | a |

|    |                                       |   |          |    |        |       |       |   |
|----|---------------------------------------|---|----------|----|--------|-------|-------|---|
|    | DK GR9108                             |   |          |    |        |       |       |   |
| 42 | Sencor 75DF<br>TERRAL LA482           | 3 | OZ/A2 LF | 0  | g 0    | f 0   | f 12  | a |
| 43 | Sencor 75DF<br>TERRAL LA841           | 3 | OZ/A2 LF | 0  | g 8    | def0  | f 12  | a |
| 44 | Sencor 75DF<br>AGS 2010               | 3 | OZ/A2 LF | 0  | g 5    | def1  | f 12  | a |
| 45 | Sencor 75DF<br>LA95135                | 3 | OZ/A2 LF | 0  | g 0    | f 0   | f 14  | a |
| 46 | Sencor 75DF<br>LA95171CA58-3-2-C      | 3 | OZ/A2 LF | 0  | g 3    | ef 0  | f 13  | a |
| 47 | Sencor 75DF<br>USG 3592               | 6 | OZ/A2 LF | 9  | bcd0   | f 3   | f 10  | a |
| 48 | Sencor 75DF<br>AGRIPRO COKER/MAGNOLIA | 6 | OZ/A2 LF | 10 | bc 0   | f 0   | f 13  | a |
| 49 | Sencor 75DF<br>AGS 2060               | 6 | OZ/A2 LF | 5  | c-g 0  | f 38  | b 10  | a |
| 50 | Sencor 75DF<br>CROPLAN 8302           | 6 | OZ/A2 LF | 5  | c-g 0  | f 5   | ef 13 | a |
| 51 | Sencor 75DF<br>DELTA GROW 1600        | 6 | OZ/A2 LF | 11 | b 0    | f 15  | d 10  | a |
| 52 | Sencor 75DF<br>DELTA GROW 5200        | 6 | OZ/A2 LF | 3  | efg 13 | def13 | de 10 | a |
| 53 | Sencor 75DF<br>DIXIE 989              | 6 | OZ/A2 LF | 1  | fg 0   | f 1   | f 9   | a |
| 54 | Sencor 75DF<br>LA98202D-64-1-C        | 6 | OZ/A2 LF | 0  | g 0    | f 0   | f 14  | a |
| 55 | Sencor 75DF<br>PIONEER/26R87          | 6 | OZ/A2 LF | 0  | g 0    | f 1   | f 12  | a |
| 56 | Sencor 75DF<br>USG 3295               | 6 | OZ/A2 LF | 8  | b-e 30 | c 25  | c 12  | a |
| 57 | Sencor 75DF<br>DK 9577                | 6 | OZ/A2 LF | 18 | a 5    | def10 | def10 | a |
| 58 | Sencor 75DF<br>TERRAL TV8558          | 6 | OZ/A2 LF | 8  | b-e 3  | ef 6  | ef 13 | a |
| 59 | Sencor 75DF<br>AGS 2000               | 6 | OZ/A2 LF | 4  | d-g 5  | def0  | f 13  | a |
| 60 | Sencor 75DF<br>AGRIPRO COKER/PANOLA   | 6 | OZ/A2 LF | 1  | fg 0   | f 0   | f 11  | a |
| 61 | Sencor 75DF<br>PIONEER/26R61          | 6 | OZ/A2 LF | 1  | fg 5   | def4  | ef 11 | a |
| 62 | Sencor 75DF<br>USG 3209               | 6 | OZ/A2 LF | 11 | b 40   | b 53  | a 11  | a |
| 63 | Sencor 75DF<br>AGRIPRO COKER 9553     | 6 | OZ/A2 LF | 6  | b-f 14 | de 9  | def9  | a |
| 64 | Sencor 75DF<br>DK GR9108              | 6 | OZ/A2 LF | 6  | b-f 43 | b 30  | c 11  | a |
| 65 | Sencor 75DF<br>TERRAL LA482           | 6 | OZ/A2 LF | 3  | efg 0  | f 0   | f 10  | a |
| 66 | Sencor 75DF<br>TERRAL LA841           | 6 | OZ/A2 LF | 1  | fg 3   | ef 8  | def10 | a |
| 67 | Sencor 75DF                           | 6 | OZ/A2 LF | 1  | fg 13  | def5  | ef 12 | a |

| AGS 2010           |                                  |   |          |        |        |        |        |   |
|--------------------|----------------------------------|---|----------|--------|--------|--------|--------|---|
| 68                 | Sencor 75DF<br>LA95135           | 6 | OZ/A2 LF | 3      | efg 0  | f 0    | f 9    | a |
| 69                 | Sencor 75DF<br>LA95171CA58-3-2-C | 6 | OZ/A2 LF | 1      | fg 5   | def0   | f 12   | a |
| LSD (P=.10)        |                                  |   |          | 3.0    | 6.6    | 5.0    | 3.0    |   |
| Standard Deviation |                                  |   |          | 2.5    | 5.6    | 4.3    | 2.6    |   |
| CV                 |                                  |   |          | 151.08 | 120.16 | 111.04 | 22.9   |   |
| Grand Mean         |                                  |   |          | 1.67   | 4.66   | 3.88   | 11.25  |   |
| Bartlett's X2      |                                  |   |          | 26.803 | 29.148 | 55.956 | 99.905 |   |
| P(Bartlett's X2)   |                                  |   |          | 0.141  | 0.175  | 0.001* | 0.007* |   |
| Replicate F        |                                  |   |          | 20.495 | 1.052  | 12.442 | 6.968  |   |
| Replicate Prob(F)  |                                  |   |          | 0.0001 | 0.3705 | 0.0001 | 0.0002 |   |
| Treatment F        |                                  |   |          | 7.673  | 14.377 | 18.076 | 1.122  |   |
| Treatment Prob(F)  |                                  |   |          | 0.0001 | 0.0001 | 0.0001 | 0.2693 |   |

# LSU Northeast Research Station

|                   |      |           |           |          |
|-------------------|------|-----------|-----------|----------|
| Pest Type         |      |           |           |          |
| Crop Code         |      | TRZAW     | TRZAW     | TRZAW    |
| Crop Name         |      | Wheat     | Wheat     | Wheat    |
| Part Rated        |      | PLATOT    | CPLATOT   | CPLATOT  |
| Rating Date       |      | 20/Dec/06 | 27/Dec/06 | 1/Feb/07 |
| Rating Data Type  |      | INJURY    | INJURY    | INJURY   |
| Rating Unit       |      | %         | %         | %        |
| Rating Timing     |      |           |           |          |
| Trt-Eval Interval |      | 6 DA-A    | 13 DA-A   | 49 DA-A  |
| Trt Treatment     |      |           |           |          |
| No.               | Rate | Growth    |           |          |
| Name              | Unit | Stage     | 1         | 2        |
|                   |      |           | 3         | 4        |

Means followed by same letter do not significantly differ (P=.10, Student-Newman-Keuls)

Mean separations are based on the complete error term.

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# LSU Northeast Research Station

| Pest Type                               | Crop Code | Crop Name | Part Rated | Rating Date | Rating Data Type | Rating Unit | Rating Timing | Trt-Eval Interval |
|---|-----------|-----------|------------|-------------|------------------|-------------|---------------|-------------------|
|   | TRZAW     | TRZAW     | TRZAW      | TRZAW       | Wheat            | Wheat       | Wheat         | Wheat             |
|   | GRAIN     | CGRAIN    | CGRAIN     | CGRAIN      | C                | C           | C             | C                 |
|   | 24/May/07 | 24/May/07 | 24/May/07  | 24/May/07   | Yield            | Yield       | Yield         | Yield             |
|   | Bu/A      | % of Chk  | %Increas   | %Reducti    |                  |             |               |                   |
|   | 161 DA-A  | 161 DA-A  | 161 DA-A   | 161 DA-A    |                  |             |               |                   |
| Trt Treatment                           | Rate      | Growth    |            |             |                  |             |               |                   |
| No. Name                                | Rate Unit | Stage     | 5          | 6           | 7                | 8           |               |                   |
| 1 non-treated<br>USG 3592               |           |           | 60         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 2 non-treated<br>AGRIPRO COKER/MAGNOLIA |           |           | 57         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 3 non-treated<br>AGS 2060               |           |           | 65         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 4 non-treated<br>CROPLAN 8302           |           |           | 55         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 5 non-treated<br>DELTA GROW 1600        |           |           | 52         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 6 non-treated<br>DELTA GROW 5200        |           |           | 61         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 7 non-treated<br>DIXIE 989              |           |           | 59         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 8 non-treated<br>LA98202D-64-1-C        |           |           | 60         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 9 non-treated<br>PIONEER/26R87          |           |           | 59         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 10 non-treated<br>USG 3295              |           |           | 64         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 11 non-treated<br>DK 9577               |           |           | 61         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 12 non-treated<br>TERRAL TV8558         |           |           | 57         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 13 non-treated<br>AGS 2000              |           |           | 60         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 14 non-treated<br>AGRIPRO COKER/PANOLA  |           |           | 54         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 15 non-treated<br>PIONEER/26R61         |           |           | 67         | abc 100     | c-1 0            | f 0         | f             |                   |
| 16 non-treated<br>USG 3209              |           |           | 51         | a-e 100     | c-1 0            | f 0         | f             |                   |
| 17 non-treated<br>AGRIPRO COKER 9553    |           |           | 41         | de 100      | c-1 0            | f 0         | f             |                   |
| 18 non-treated<br>DK GR9108             |           |           | 57         | a-e 100     | c-1 0            | f 0         | f             |                   |

|    |                                       |   |          |    |         |        |        |     |
|----|---------------------------------------|---|----------|----|---------|--------|--------|-----|
| 19 | non-treated<br>TERRAL LA482           |   |          | 63 | a-e 100 | c-l 0  | f 0    | f   |
| 20 | non-treated<br>TERRAL LA841           |   |          | 61 | a-e 100 | c-l 0  | f 0    | f   |
| 21 | non-treated<br>AGS 2010               |   |          | 45 | b-e 100 | c-l 0  | f 0    | f   |
| 22 | non-treated<br>LA95135                |   |          | 60 | a-e 100 | c-l 0  | f 0    | f   |
| 23 | non-treated<br>LA95171CA58-3-2-C      |   |          | 41 | de 100  | c-l 0  | f 0    | f   |
| 24 | Sencor 75DF<br>USG 3592               | 3 | OZ/A2 LF | 61 | a-e 102 | c-l 7  | def 5  | ef  |
| 25 | Sencor 75DF<br>AGRIPRO COKER/MAGNOLIA | 3 | OZ/A2 LF | 55 | a-e 97  | e-l 5  | def 8  | c-f |
| 26 | Sencor 75DF<br>AGS 2060               | 3 | OZ/A2 LF | 60 | a-e 93  | e-l 4  | def 11 | a-f |
| 27 | Sencor 75DF<br>CROPLAN 8302           | 3 | OZ/A2 LF | 58 | a-e 106 | b-l 9  | def 3  | f   |
| 28 | Sencor 75DF<br>DELTA GROW 1600        | 3 | OZ/A2 LF | 55 | a-e 106 | b-l 7  | def 0  | f   |
| 29 | Sencor 75DF<br>DELTA GROW 5200        | 3 | OZ/A2 LF | 57 | a-e 93  | e-l 2  | ef 9   | b-f |
| 30 | Sencor 75DF<br>DIXIE 989              | 3 | OZ/A2 LF | 52 | a-e 88  | f-l 3  | ef 15  | a-f |
| 31 | Sencor 75DF<br>LA98202D-64-1-C        | 3 | OZ/A2 LF | 59 | a-e 99  | d-l 7  | def 8  | b-f |
| 32 | Sencor 75DF<br>PIONEER/26R87          | 3 | OZ/A2 LF | 59 | a-e 100 | c-l 4  | def 4  | f   |
| 33 | Sencor 75DF<br>USG 3295               | 3 | OZ/A2 LF | 66 | a-d 103 | c-l 5  | def 2  | f   |
| 34 | Sencor 75DF<br>DK 9577                | 3 | OZ/A2 LF | 57 | a-e 93  | e-l 1  | f 8    | c-f |
| 35 | Sencor 75DF<br>TERRAL TV8558          | 3 | OZ/A2 LF | 67 | abc 118 | a-h 18 | c-f 0  | f   |
| 36 | Sencor 75DF<br>AGS 2000               | 3 | OZ/A2 LF | 61 | a-e 101 | c-l 8  | def 7  | def |
| 37 | Sencor 75DF<br>AGRIPRO COKER/PANOLA   | 3 | OZ/A2 LF | 61 | a-e 112 | a-h 12 | def 0  | f   |
| 38 | Sencor 75DF<br>PIONEER/26R61          | 3 | OZ/A2 LF | 54 | a-e 80  | h-l 0  | f 20   | a-f |
| 39 | Sencor 75DF<br>USG 3209               | 3 | OZ/A2 LF | 64 | a-e 125 | a-e 25 | a-e 0  | f   |
| 40 | Sencor 75DF<br>AGRIPRO COKER 9553     | 3 | OZ/A2 LF | 56 | a-e 137 | abc 40 | ab 2   | f   |
| 41 | Sencor 75DF<br>DK GR9108              | 3 | OZ/A2 LF | 48 | b-e 85  | f-l 3  | ef 18  | a-f |
| 42 | Sencor 75DF<br>TERRAL LA482           | 3 | OZ/A2 LF | 60 | a-e 95  | e-l 5  | def 10 | b-f |
| 43 | Sencor 75DF<br>TERRAL LA841           | 3 | OZ/A2 LF | 75 | a 122   | a-f 22 | b-f 0  | f   |
| 44 | Sencor 75DF<br>AGS 2010               | 3 | OZ/A2 LF | 51 | a-e 112 | a-h 15 | def 3  | f   |

|                    |                                       |   |          |      |         |        |        |     |
|--------------------|---------------------------------------|---|----------|------|---------|--------|--------|-----|
| 45                 | Sencor 75DF<br>LA95135                | 3 | OZ/A2 LF | 56   | a-e 94  | e-l 3  | ef 10  | b-f |
| 46                 | Sencor 75DF<br>LA95171CA58-3-2-C      | 3 | OZ/A2 LF | 59   | a-e 143 | a 43   | a 0    | f   |
| 47                 | Sencor 75DF<br>USG 3592               | 6 | OZ/A2 LF | 43   | b-e 71  | kl 1   | f 30   | abc |
| 48                 | Sencor 75DF<br>AGRIPRO COKER/MAGNOLIA | 6 | OZ/A2 LF | 62   | a-e 109 | a-j 10 | def 0  | f   |
| 49                 | Sencor 75DF<br>AGS 2060               | 6 | OZ/A2 LF | 46   | b-e 71  | kl 0   | f 29   | abc |
| 50                 | Sencor 75DF<br>CROPLAN 8302           | 6 | OZ/A2 LF | 56   | a-e 101 | c-l 11 | def 10 | b-f |
| 51                 | Sencor 75DF<br>DELTA GROW 1600        | 6 | OZ/A2 LF | 56   | a-e 107 | b-l 9  | def 2  | f   |
| 52                 | Sencor 75DF<br>DELTA GROW 5200        | 6 | OZ/A2 LF | 43   | b-e 70  | l 0    | f 30   | ab  |
| 53                 | Sencor 75DF<br>DIXIE 989              | 6 | OZ/A2 LF | 64   | a-e 108 | a-k 8  | def 0  | f   |
| 54                 | Sencor 75DF<br>LA98202D-64-1-C        | 6 | OZ/A2 LF | 68   | ab 113  | a-h 14 | def 1  | f   |
| 55                 | Sencor 75DF<br>PIONEER/26R87          | 6 | OZ/A2 LF | 53   | a-e 90  | e-l 2  | ef 12  | a-f |
| 56                 | Sencor 75DF<br>USG 3295               | 6 | OZ/A2 LF | 47   | b-e 74  | i-l 0  | f 26   | a-e |
| 57                 | Sencor 75DF<br>DK 9577                | 6 | OZ/A2 LF | 61   | a-e 100 | c-l 5  | def 4  | ef  |
| 58                 | Sencor 75DF<br>TERRAL TV8558          | 6 | OZ/A2 LF | 40   | e 70    | l 0    | f 30   | ab  |
| 59                 | Sencor 75DF<br>AGS 2000               | 6 | OZ/A2 LF | 51   | a-e 84  | g-l 0  | f 16   | a-f |
| 60                 | Sencor 75DF<br>AGRIPRO COKER/PANOLA   | 6 | OZ/A2 LF | 54   | a-e 100 | c-l 13 | def 13 | a-f |
| 61                 | Sencor 75DF<br>PIONEER/26R61          | 6 | OZ/A2 LF | 56   | a-e 83  | g-l 0  | f 17   | a-f |
| 62                 | Sencor 75DF<br>USG 3209               | 6 | OZ/A2 LF | 57   | a-e 111 | a-i 18 | c-f 7  | def |
| 63                 | Sencor 75DF<br>AGRIPRO COKER 9553     | 6 | OZ/A2 LF | 56   | a-e 135 | a-d 35 | abc 0  | f   |
| 64                 | Sencor 75DF<br>DK GR9108              | 6 | OZ/A2 LF | 42   | cde 74  | i-l 6  | def 32 | a   |
| 65                 | Sencor 75DF<br>TERRAL LA482           | 6 | OZ/A2 LF | 45   | b-e 72  | jkl 0  | f 28   | a-d |
| 66                 | Sencor 75DF<br>TERRAL LA841           | 6 | OZ/A2 LF | 62   | a-e 101 | c-l 2  | ef 0   | f   |
| 67                 | Sencor 75DF<br>AGS 2010               | 6 | OZ/A2 LF | 53   | a-e 118 | a-g 28 | a-d 9  | b-f |
| 68                 | Sencor 75DF<br>LA95135                | 6 | OZ/A2 LF | 57   | a-e 95  | e-l 5  | def 10 | b-f |
| 69                 | Sencor 75DF<br>LA95171CA58-3-2-C      | 6 | OZ/A2 LF | 58   | a-e 140 | ab 40  | ab 0   | f   |
| LSD (P=.10)        |                                       |   |          | 12.4 | 18.5    | 11.8   | 11.0   |     |
| Standard Deviation |                                       |   |          | 10.6 | 15.8    | 10.1   | 9.4    |     |

|                   |        |        |        |        |
|-------------------|--------|--------|--------|--------|
| CV                | 18.79  | 15.8   | 153.61 | 143.04 |
| Grand Mean        | 56.31  | 100.01 | 6.55   | 6.54   |
| Bartlett's X2     | 91.319 | 72.062 | 94.746 | 97.677 |
| P(Bartlett's X2)  | 0.031* | 0.006* | 0.001* | 0.001* |
| Replicate F       | 1.092  | 2.378  | 3.963  | 0.780  |
| Replicate Prob(F) | 0.3536 | 0.0711 | 0.0090 | 0.5063 |
| Treatment F       | 1.784  | 3.784  | 4.320  | 4.042  |
| Treatment Prob(F) | 0.0011 | 0.0001 | 0.0001 | 0.0001 |

# LSU Northeast Research Station

|                   |  |           |           |           |
|-------------------|--|-----------|-----------|-----------|
| Pest Type         |  |           |           |           |
| Crop Code         |  | TRZAW     | TRZAW     | TRZAW     |
| Crop Name         |  | Wheat     | Wheat     | Wheat     |
| Part Rated        |  | GRAIN     | CGRAIN    | CGRAIN    |
| Rating Date       |  | 24/May/07 | 24/May/07 | 24/May/07 |
| Rating Data Type  |  | Yield     | Yield     | Yield     |
| Rating Unit       |  | Bu/A      | % of Chk  | %Increas  |
| Rating Timing     |  |           |           | %Reducti  |
| Trt-Eval Interval |  | 161 DA-A  | 161 DA-A  | 161 DA-A  |
| Trt Treatment     |  | Rate      | Growth    |           |
| No. Name          |  | RateUnit  | Stage     | 5 6 7 8   |

Means followed by same letter do not significantly differ (P=.10, Student-Newman-Keuls)

Mean separations are based on the complete error term.

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.