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## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602      Location: Macalister      Trial Year: 2016  
Investigator: Linda Bailey

|                          |                            |                                 |                 |
|--------------------------|----------------------------|---------------------------------|-----------------|
| Planting Date:           | 22/7/2016                  |                                 |                 |
| Planting Equipment:      | Small Plot Planter         |                                 |                 |
| Wheat Varieties:         | EGA Gregory and Lancer     |                                 |                 |
| Row Spacing:             | 32cm                       |                                 |                 |
| Target Plant Population: | 100 Plants /m <sup>2</sup> |                                 |                 |
| Application Code:        | A                          | B                               | C               |
| Application Date:        | 29/02/2016                 | 22/07/2016                      | 26/09/2016      |
| Target/Stage:            | Spread Top Dress Feb       | Spread & Incorporated by Sowing | Spread at GS 30 |
| Harvest Date:            | 25/11/2016                 |                                 |                 |

Trial designed as a Randomised Complete Block and analysed as a Factorial

|                       | In Simple Terms                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Table of A Means:     | Mean of 'Variety' performance with ALL 'Rate' treatments and 'Timing' treatments |
| Table of B Means:     | Mean of 'Rate' performance with ALL 'Variety' treatments and 'Timing' treatments |
| Table of C Means:     | Mean of 'Timing' performance with ALL 'Variety' treatments and 'Rate' treatments |
| Table of A x B Means: | 'Variety' performance with EACH 'Rate' treatment                                 |
| Table of A x C Means: | 'Variety' performance with EACH 'Timing' treatment                               |
| Table of B x C Means: | 'Rate' performance with EACH 'Timing' treatment                                  |

### How to interpret?

Is there a significant difference for A x B Means  
A x C Means or  
B x C Means ?

#### If YES

Table A x B Means, A x C Means or  
B x C Means analysis is the key information

#### If NO (ie nsd)

Table A, Table B or Table C Means  
analysis is the key information

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location:

Macalister

Trial Year:

2016

| Crop Name                                      |                  |             | Wheat           |            |            |
|------------------------------------------------|------------------|-------------|-----------------|------------|------------|
| Assessment Date                                |                  |             | 10/08/2016      | 20/10/2016 | 25/11/2016 |
| Assessment Type                                |                  |             | EMERGENCE       | NDVI       | YIELD      |
| Assessment Unit                                |                  |             | /m <sup>2</sup> | RATIO      | t/ha       |
| Plant-Evaluation Interval                      |                  |             | 19 DP1          | 90 DP1     | 126 DP1    |
| CV %                                           |                  |             |                 |            | 6.5        |
| ARM Action Codes                               |                  |             | T1              |            | TY2        |
| Trt No.                                        | Treatment        | Appln. Code |                 |            |            |
| <b>TABLE OF A MEANS (Variety)</b>              |                  |             |                 |            |            |
| 1                                              | EGA Gregory      |             | 66.9-           | 0.709b     | 2.33b      |
| 2                                              | Lancer           |             | 63.6-           | 0.760a     | 2.65a      |
| <b>TABLE OF B MEANS (Rate)</b>                 |                  |             |                 |            |            |
| 1                                              | Urea 50 kg N/ha  |             | 65.0-           | 0.723b     | 2.48-      |
| 2                                              | Urea 100 kg N/ha |             | 64.1-           | 0.729b     | 2.47-      |
| 3                                              | Urea 200 kg N/ha |             | 66.6-           | 0.751a     | 2.53-      |
| <b>TABLE OF C MEANS (Timing)</b>               |                  |             |                 |            |            |
| 1                                              | February Spread  | A           | 67.5-           | 0.766a     | 2.56a      |
| 2                                              | Planting IBS     | B           | 65.2-           | 0.759a     | 2.44b      |
| 3                                              | GS30 Spread      | C           | 63.1-           | 0.679b     | 2.47ab     |
| <b>TABLE OF A x B MEANS (Variety x Rate)</b>   |                  |             |                 |            |            |
| 1                                              | EGA Gregory      |             | 64.9-           | 0.697-     | 2.30-      |
| 1                                              | Urea 50 kg N/ha  |             |                 |            |            |
| 2                                              | Lancer           |             | 65.1-           | 0.749-     | 2.66-      |
| 1                                              | Urea 50 kg N/ha  |             |                 |            |            |
| 1                                              | EGA Gregory      |             | 66.6-           | 0.700-     | 2.32-      |
| 2                                              | Urea 100 kg N/ha |             |                 |            |            |
| 2                                              | Lancer           |             | 61.7-           | 0.759-     | 2.62-      |
| 2                                              | Urea 100 kg N/ha |             |                 |            |            |
| 1                                              | EGA Gregory      |             | 69.2-           | 0.729-     | 2.37-      |
| 3                                              | Urea 200 kg N/ha |             |                 |            |            |
| 2                                              | Lancer           |             | 64.1-           | 0.773-     | 2.68-      |
| 3                                              | Urea 200 kg N/ha |             |                 |            |            |
| <b>TABLE OF A x C MEANS (Variety x Timing)</b> |                  |             |                 |            |            |
| 1                                              | EGA Gregory      |             | 68.9-           | 0.744-     | 2.42-      |
| 1                                              | February Spread  | A           |                 |            |            |
| 2                                              | Lancer           |             | 66.1-           | 0.789-     | 2.71-      |
| 1                                              | February Spread  | A           |                 |            |            |
| 1                                              | EGA Gregory      |             | 66.2-           | 0.728-     | 2.26-      |
| 2                                              | Planting IBS     | B           |                 |            |            |
| 2                                              | Lancer           |             | 64.2-           | 0.789-     | 2.62-      |
| 2                                              | Planting IBS     | B           |                 |            |            |
| 1                                              | EGA Gregory      |             | 65.6-           | 0.654-     | 2.32-      |
| 3                                              | GS30 Spread      | C           |                 |            |            |
| 2                                              | Lancer           |             | 60.5-           | 0.703-     | 2.62-      |
| 3                                              | GS30 Spread      | C           |                 |            |            |

Means followed by same letter do not significantly differ (P=.05, LSD)

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location:

Macalister

Trial Year:

2016

| Crop Name                   |                  |             | Wheat           |            |            |
|-----------------------------|------------------|-------------|-----------------|------------|------------|
| Assessment Date             |                  |             | 10/08/2016      | 20/10/2016 | 25/11/2016 |
| Assessment Type             |                  |             | EMERGENCE       | NDVI       | YIELD      |
| Assessment Unit             |                  |             | /m <sup>2</sup> | RATIO      | t/ha       |
| Plant-Evaluation Interval   |                  |             | 19 DP1          | 90 DP1     | 126 DP1    |
| CV %                        |                  |             |                 |            | 6.5        |
| ARM Action Codes            |                  |             | T1              |            | TY2        |
| Trt No.                     | Treatment        | Appln. Code |                 |            |            |
| <b>TABLE OF B x C MEANS</b> |                  |             |                 |            |            |
| <b>(Rate x Timing)</b>      |                  |             |                 |            |            |
| 1                           | Urea 50 kg N/ha  |             | 66.0-           | 0.749-     | 2.54-      |
| 1                           | February Spread  | A           |                 |            |            |
| 2                           | Urea 100 kg N/ha |             | 64.8-           | 0.764-     | 2.56-      |
| 1                           | February Spread  | A           |                 |            |            |
| 3                           | Urea 200 kg N/ha |             | 71.7-           | 0.787-     | 2.60-      |
| 1                           | February Spread  | A           |                 |            |            |
| 1                           | Urea 50 kg N/ha  |             | 62.2-           | 0.744-     | 2.48-      |
| 2                           | Planting IBS     | B           |                 |            |            |
| 2                           | Urea 100 kg N/ha |             | 66.8-           | 0.754-     | 2.37-      |
| 2                           | Planting IBS     | B           |                 |            |            |
| 3                           | Urea 200 kg N/ha |             | 66.6-           | 0.778-     | 2.46-      |
| 2                           | Planting IBS     | B           |                 |            |            |
| 1                           | Urea 50 kg N/ha  |             | 66.8-           | 0.677-     | 2.42-      |
| 3                           | GS30 Spread      | C           |                 |            |            |
| 2                           | Urea 100 kg N/ha |             | 60.7-           | 0.670-     | 2.47-      |
| 3                           | GS30 Spread      | C           |                 |            |            |
| 3                           | Urea 200 kg N/ha |             | 61.6-           | 0.689-     | 2.52-      |
| 3                           | GS30 Spread      | C           |                 |            |            |

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location:

Macalister

Trial Year: 2016

| Crop Name                                      |                  |             | Wheat     |             |           |            |
|------------------------------------------------|------------------|-------------|-----------|-------------|-----------|------------|
| Assessment Date                                |                  |             | 8/12/2016 | 8/12/2016   | 8/12/2016 | 8/12/2016  |
| Assessment Type                                |                  |             | PROTEIN   | TEST WEIGHT | SCREENING | N RECOVERY |
| Assessment Unit                                |                  |             | %         | kg/hL       | %         | kg N/ha    |
| ARM Action Codes                               |                  |             |           |             |           | T3         |
| Trt No.                                        | Treatment        | Appln. Code |           |             |           |            |
| <b>TABLE OF A MEANS (Variety)</b>              |                  |             |           |             |           |            |
| 1                                              | EGA Gregory      |             | 12.2b     | 77.6b       | 8.6a      | 49.9b      |
| 2                                              | Lancer           |             | 13.4a     | 79.1a       | 5.1b      | 62.3a      |
| <b>TABLE OF B MEANS (Rate)</b>                 |                  |             |           |             |           |            |
| 1                                              | Urea 50 kg N/ha  |             | 12.0c     | 79.3a       | 5.5b      | 52.2c      |
| 2                                              | Urea 100 kg N/ha |             | 13.0b     | 77.9b       | 7.5a      | 56.4b      |
| 3                                              | Urea 200 kg N/ha |             | 13.5a     | 77.8b       | 7.4a      | 59.8a      |
| <b>TABLE OF C MEANS (Timing)</b>               |                  |             |           |             |           |            |
| 1                                              | February Spread  | A           | 13.5a     | 77.5b       | 8.1a      | 60.7a      |
| 2                                              | Planting IBS     | B           | 13.3a     | 77.3b       | 7.8a      | 57.0b      |
| 3                                              | GS30 Spread      | C           | 11.7b     | 80.2a       | 4.6b      | 50.7c      |
| <b>TABLE OF A x B MEANS (Variety x Rate)</b>   |                  |             |           |             |           |            |
| 1                                              | EGA Gregory      |             | 11.5d     | 78.6-       | 7.4-      | 46.2-      |
| 1                                              | Urea 50 kg N/ha  |             |           |             |           |            |
| 2                                              | Lancer           |             | 12.5c     | 80.1-       | 3.6-      | 58.2-      |
| 1                                              | Urea 50 kg N/ha  |             |           |             |           |            |
| 1                                              | EGA Gregory      |             | 12.6c     | 77.1-       | 9.8-      | 51.1-      |
| 2                                              | Urea 100 kg N/ha |             |           |             |           |            |
| 2                                              | Lancer           |             | 13.5b     | 78.8-       | 5.2-      | 61.6-      |
| 2                                              | Urea 100 kg N/ha |             |           |             |           |            |
| 1                                              | EGA Gregory      |             | 12.6c     | 77.3-       | 8.5-      | 52.5-      |
| 3                                              | Urea 200 kg N/ha |             |           |             |           |            |
| 2                                              | Lancer           |             | 14.3a     | 78.4-       | 6.4-      | 67.1-      |
| 3                                              | Urea 200 kg N/ha |             |           |             |           |            |
| <b>TABLE OF A x C MEANS (Variety x Timing)</b> |                  |             |           |             |           |            |
| 1                                              | EGA Gregory      |             | 13.0-     | 76.8-       | 9.8-      | 55.0-      |
| 1                                              | February Spread  | A           |           |             |           |            |
| 2                                              | Lancer           |             | 14.0-     | 78.3-       | 6.4-      | 66.3-      |
| 1                                              | February Spread  | A           |           |             |           |            |
| 1                                              | EGA Gregory      |             | 12.6-     | 76.9-       | 9.4-      | 49.6-      |
| 2                                              | Planting IBS     | B           |           |             |           |            |
| 2                                              | Lancer           |             | 14.1-     | 77.7-       | 6.1-      | 64.4-      |
| 2                                              | Planting IBS     | B           |           |             |           |            |
| 1                                              | EGA Gregory      |             | 11.1-     | 79.2-       | 6.5-      | 45.1-      |
| 3                                              | GS30 Spread      | C           |           |             |           |            |
| 2                                              | Lancer           |             | 12.2-     | 81.2-       | 2.7-      | 56.2-      |
| 3                                              | GS30 Spread      | C           |           |             |           |            |

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location: Macalister

Trial Year: 2016

| Crop Name<br>Assessment Date<br>Assessment Type<br>Assessment Unit<br>ARM Action Codes |                  |                | Wheat                     |                                   |                             |                                          |
|----------------------------------------------------------------------------------------|------------------|----------------|---------------------------|-----------------------------------|-----------------------------|------------------------------------------|
|                                                                                        |                  |                | 8/12/2016<br>PROTEIN<br>% | 8/12/2016<br>TEST WEIGHT<br>kg/hL | 8/12/2016<br>SCREENING<br>% | 8/12/2016<br>N RECOVERY<br>kg N/ha<br>T3 |
| Trt<br>No.                                                                             | Treatment        | Appln.<br>Code |                           |                                   |                             |                                          |
| <b>TABLE OF B x C MEANS</b><br><b>(Rate x Timing)</b>                                  |                  |                |                           |                                   |                             |                                          |
| 1                                                                                      | Urea 50 kg N/ha  |                | 12.5-                     | 78.6-                             | 6.4-                        | 55.6-                                    |
| 1                                                                                      | February Spread  | A              |                           |                                   |                             |                                          |
| 2                                                                                      | Urea 100 kg N/ha |                | 13.7-                     | 77.2-                             | 9.0-                        | 61.5-                                    |
| 1                                                                                      | February Spread  | A              |                           |                                   |                             |                                          |
| 3                                                                                      | Urea 200 kg N/ha |                | 14.3-                     | 76.8-                             | 8.9-                        | 64.9-                                    |
| 1                                                                                      | February Spread  | A              |                           |                                   |                             |                                          |
| 1                                                                                      | Urea 50 kg N/ha  |                | 12.5-                     | 78.5-                             | 6.1-                        | 54.4-                                    |
| 2                                                                                      | Planting IBS     | B              |                           |                                   |                             |                                          |
| 2                                                                                      | Urea 100 kg N/ha |                | 13.6-                     | 77.0-                             | 8.1-                        | 56.2-                                    |
| 2                                                                                      | Planting IBS     | B              |                           |                                   |                             |                                          |
| 3                                                                                      | Urea 200 kg N/ha |                | 13.9-                     | 76.5-                             | 9.2-                        | 60.3-                                    |
| 2                                                                                      | Planting IBS     | B              |                           |                                   |                             |                                          |
| 1                                                                                      | Urea 50 kg N/ha  |                | 11.0-                     | 80.9-                             | 4.0-                        | 46.6-                                    |
| 3                                                                                      | GS30 Spread      | C              |                           |                                   |                             |                                          |
| 2                                                                                      | Urea 100 kg N/ha |                | 11.9-                     | 79.6-                             | 5.4-                        | 51.3-                                    |
| 3                                                                                      | GS30 Spread      | C              |                           |                                   |                             |                                          |
| 3                                                                                      | Urea 200 kg N/ha |                | 12.2-                     | 80.2-                             | 4.3-                        | 54.1-                                    |
| 3                                                                                      | GS30 Spread      | C              |                           |                                   |                             |                                          |

**Assessment Type**

NDVI = normalized difference vegetation index

N RECOVERY = Nitrogen Recovery in grain kg N/ha

**ARM Action Codes**

T1 = [C1]/1.28

TY2 = 0.8333333\*[C4]

T3 = [C5]\*[C6]\*1.75

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location: Macalister

Trial Year: 2016

| COMPLETE FACTORIAL AOV              |    |                |             |       |          |           |
|-------------------------------------|----|----------------|-------------|-------|----------|-----------|
| Wheat                               |    |                |             |       |          |           |
| 10/08/2016                          |    |                |             |       |          |           |
| EMERGENCE /m <sup>2</sup> 19 DP1 T1 |    |                |             |       |          |           |
| Source                              | DF | Sum of Squares | Mean Square | F     | Prob.(F) | LSD (.05) |
| Total                               | 71 | 5515.102810    |             |       |          |           |
| R                                   | 3  | 34.281413      | 11.427138   | 0.138 | 0.9369   |           |
| A                                   | 1  | 195.855035     | 195.855035  | 2.364 | 0.1303   | 4.3       |
| B                                   | 2  | 77.633328      | 38.816664   | 0.469 | 0.6286   | 5.3       |
| AB                                  | 2  | 109.981961     | 54.990980   | 0.664 | 0.5193   | 7.4       |
| C                                   | 2  | 238.766140     | 119.383070  | 1.441 | 0.2462   | 5.3       |
| AC                                  | 2  | 28.601752      | 14.300876   | 0.173 | 0.8420   | 7.4       |
| BC                                  | 4  | 415.225559     | 103.806390  | 1.253 | 0.3006   | 9.1       |
| ABC                                 | 4  | 189.395481     | 47.348870   | 0.571 | 0.6845   | 12.9      |
| ERROR                               | 51 | 4225.362142    | 82.850238   |       |          |           |

| COMPLETE FACTORIAL AOV |    |                |             |        |          |           |
|------------------------|----|----------------|-------------|--------|----------|-----------|
| Wheat                  |    |                |             |        |          |           |
| 20/10/2016             |    |                |             |        |          |           |
| NDVI RATIO 90 DP1      |    |                |             |        |          |           |
| Source                 | DF | Sum of Squares | Mean Square | F      | Prob.(F) | LSD (.05) |
| Total                  | 71 | 0.220024       |             |        |          |           |
| R                      | 3  | 0.002380       | 0.000793    | 1.040  | 0.3828   |           |
| A                      | 1  | 0.047895       | 0.047895    | 62.781 | 0.0001   | 0.013     |
| B                      | 2  | 0.010334       | 0.005167    | 6.773  | 0.0025   | 0.016     |
| AB                     | 2  | 0.000609       | 0.000305    | 0.399  | 0.6729   | 0.023     |
| C                      | 2  | 0.113345       | 0.056672    | 74.286 | 0.0001   | 0.016     |
| AC                     | 2  | 0.000820       | 0.000410    | 0.537  | 0.5875   | 0.023     |
| BC                     | 4  | 0.001868       | 0.000467    | 0.612  | 0.6559   | 0.028     |
| ABC                    | 4  | 0.003866       | 0.000966    | 1.267  | 0.2952   | 0.039     |
| ERROR                  | 51 | 0.038907       | 0.000763    |        |          |           |

| COMPLETE FACTORIAL AOV |    |                |             |        |          |           |
|------------------------|----|----------------|-------------|--------|----------|-----------|
| Wheat                  |    |                |             |        |          |           |
| 25/11/2016             |    |                |             |        |          |           |
| YIELD t/ha 126 DP1 TY2 |    |                |             |        |          |           |
| Source                 | DF | Sum of Squares | Mean Square | F      | Prob.(F) | LSD (.05) |
| Total                  | 71 | 3.996095       |             |        |          |           |
| R                      | 3  | 0.083326       | 0.027775    | 1.013  | 0.3947   |           |
| A                      | 1  | 1.852812       | 1.852812    | 67.560 | 0.0001   | 0.08      |
| B                      | 2  | 0.046634       | 0.023317    | 0.850  | 0.4333   | 0.10      |
| AB                     | 2  | 0.009277       | 0.004638    | 0.169  | 0.8449   | 0.14      |
| C                      | 2  | 0.204979       | 0.102489    | 3.737  | 0.0306   | 0.10      |
| AC                     | 2  | 0.018582       | 0.009291    | 0.339  | 0.7142   | 0.14      |
| BC                     | 4  | 0.058181       | 0.014545    | 0.530  | 0.7139   | 0.17      |
| ABC                    | 4  | 0.323652       | 0.080913    | 2.950  | 0.0287   | 0.23      |
| ERROR                  | 51 | 1.398653       | 0.027425    |        |          |           |

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location:

Macalister

Trial Year: 2016

| COMPLETE FACTORIAL AOV |    |                |             |        |          |           |
|------------------------|----|----------------|-------------|--------|----------|-----------|
| Wheat                  |    |                |             |        |          |           |
| 8/12/2016              |    |                |             |        |          |           |
| PROTEIN % 139 DP1      |    |                |             |        |          |           |
| Source                 | DF | Sum of Squares | Mean Square | F      | Prob.(F) | LSD (.05) |
| Total                  | 70 | 123.711790     |             |        |          |           |
| R                      | 3  | 4.442037       | 1.480679    | 5.775  | 0.0018   |           |
| A                      | 1  | 25.363025      | 25.363025   | 98.923 | 0.0001   | 0.2       |
| B                      | 2  | 28.078920      | 14.039460   | 54.758 | 0.0001   | 0.3       |
| AB                     | 2  | 2.259660       | 1.129830    | 4.407  | 0.0173   | 0.4       |
| C                      | 2  | 48.538920      | 24.269460   | 94.657 | 0.0001   | 0.3       |
| AC                     | 2  | 0.583549       | 0.291775    | 1.138  | 0.3286   | 0.4       |
| BC                     | 4  | 0.666728       | 0.166682    | 0.650  | 0.6295   | 0.5       |
| ABC                    | 4  | 0.959321       | 0.239830    | 0.935  | 0.4512   | 0.7       |
| ERROR                  | 50 | 12.819630      | 0.256393    |        |          |           |

| COMPLETE FACTORIAL AOV    |    |                |             |        |          |           |
|---------------------------|----|----------------|-------------|--------|----------|-----------|
| Wheat                     |    |                |             |        |          |           |
| 8/12/2016                 |    |                |             |        |          |           |
| TEST WEIGHT kg/hL 139 DP1 |    |                |             |        |          |           |
| Source                    | DF | Sum of Squares | Mean Square | F      | Prob.(F) | LSD (.05) |
| Total                     | 70 | 285.730123     |             |        |          |           |
| R                         | 3  | 2.887037       | 0.962346    | 0.685  | 0.5653   |           |
| A                         | 1  | 36.030617      | 36.030617   | 25.656 | 0.0001   | 0.6       |
| B                         | 2  | 34.185309      | 17.092654   | 12.171 | 0.0001   | 0.7       |
| AB                        | 2  | 0.954568       | 0.477284    | 0.340  | 0.7135   | 1.0       |
| C                         | 2  | 124.294198     | 62.147099   | 44.252 | 0.0001   | 0.7       |
| AC                        | 2  | 4.505679       | 2.252840    | 1.604  | 0.2112   | 1.0       |
| BC                        | 4  | 4.898395       | 1.224599    | 0.872  | 0.4874   | 1.2       |
| ABC                       | 4  | 7.754691       | 1.938673    | 1.380  | 0.2541   | 1.7       |
| ERROR                     | 50 | 70.219630      | 1.404393    |        |          |           |

| COMPLETE FACTORIAL AOV |    |                |             |        |          |           |
|------------------------|----|----------------|-------------|--------|----------|-----------|
| Wheat                  |    |                |             |        |          |           |
| 8/12/2016              |    |                |             |        |          |           |
| SCREENING % 139 DP1    |    |                |             |        |          |           |
| Source                 | DF | Sum of Squares | Mean Square | F      | Prob.(F) | LSD (.05) |
| Total                  | 70 | 660.998070     |             |        |          |           |
| R                      | 3  | 1.705919       | 0.568640    | 0.193  | 0.9005   |           |
| A                      | 1  | 216.377782     | 216.377782  | 73.548 | 0.0001   | 0.8       |
| B                      | 2  | 61.440746      | 30.720373   | 10.442 | 0.0002   | 1.0       |
| AB                     | 2  | 17.686483      | 8.843241    | 3.006  | 0.0585   | 1.4       |
| C                      | 2  | 182.624798     | 91.312399   | 31.038 | 0.0001   | 1.0       |
| AC                     | 2  | 0.929408       | 0.464704    | 0.158  | 0.8543   | 1.4       |
| BC                     | 4  | 20.348925      | 5.087231    | 1.729  | 0.1583   | 1.7       |
| ABC                    | 4  | 12.785138      | 3.196284    | 1.086  | 0.3733   | 2.5       |
| ERROR                  | 50 | 147.098873     | 2.941977    |        |          |           |

## N Management in Wheat – Macalister: Variety x Rate x Timing Factorial

Trial ID: LB1602

Location:

Macalister

Trial Year: 2016

| COMPLETE FACTORIAL AOV        |    |                |             |         |          |           |
|-------------------------------|----|----------------|-------------|---------|----------|-----------|
| Wheat                         |    |                |             |         |          |           |
| 8/12/2016                     |    |                |             |         |          |           |
| N RECOVERY kg N/ha 139 DP1 T3 |    |                |             |         |          |           |
| Source                        | DF | Sum of Squares | Mean Square | F       | Prob.(F) | LSD (.05) |
| Total                         | 70 | 5824.339839    |             |         |          |           |
| R                             | 3  | 76.581640      | 25.527213   | 1.669   | 0.1856   |           |
| A                             | 1  | 2760.122667    | 2760.122667 | 180.463 | 0.0001   | 1.9       |
| B                             | 2  | 690.746216     | 345.373108  | 22.581  | 0.0001   | 2.3       |
| AB                            | 2  | 50.912154      | 25.456077   | 1.664   | 0.1996   | 3.2       |
| C                             | 2  | 1220.775320    | 610.387660  | 39.908  | 0.0001   | 2.3       |
| AC                            | 2  | 48.682602      | 24.341301   | 1.591   | 0.2138   | 3.2       |
| BC                            | 4  | 41.488913      | 10.372228   | 0.678   | 0.6103   | 4.0       |
| ABC                           | 4  | 170.294636     | 42.573659   | 2.784   | 0.0364   | 5.6       |
| ERROR                         | 50 | 764.735693     | 15.294714   |         |          |           |

| Application Description    |                                        |                      |            |
|----------------------------|----------------------------------------|----------------------|------------|
|                            | A                                      | B                    | C          |
| Application Date:          | 29/02/2016                             | 22/07/2016           | 26/09/2016 |
| Application Method:        | SPREAD                                 |                      |            |
| Application Timing:        | FEBRUARY                               | IBS                  | GS30       |
| Application Placement:     | SURFACE                                | INCORPN.             | SURFACE    |
| Next Moisture Occurred On: | 19/03/2016 - 1.2mm<br>22/03/2016 - 8mm | 3/08/2016<br>- 8.6mm |            |

| Application Equipment  |        |   |   |
|------------------------|--------|---|---|
|                        | A      | B | C |
| Application Equipment: | SPREAD |   |   |
| Equipment Type:        | MANUAL |   |   |