

# WHEAT VARIETY TESTING ON ACID SOILS

Jennifer Garlinge, DAFWA, Northam



## AIM

To evaluate wheat varieties grown on acid soils.

## TRIAL DETAILS

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Property           | Bob Nixon, Kalannie                                                           |
| Soil Group         | Soil pH (CaCl <sub>2</sub> ) 6.1@10cm. 4.2@30cm.                              |
| Sowing date        | 28/6/06                                                                       |
| Seeding rate       | 51 kg/ha                                                                      |
| Rotation           | 2005 = Medic & Grasses Pasture, 2004 = Wheat, 2003 = Medic & Grasses Pasture. |
| Fertiliser (kg/ha) | 28/6/06: Agras #1 80 kg/ha                                                    |
|                    | 28/6/06: Treflan 1.6 L/ha; Sprayseed 1.6 L/ha                                 |
| Pesticides         | 12/9/06 Broadside (Nufarm) 1.4 cod                                            |
|                    | 15/9/06: Dominex 200 mL/ha                                                    |

## RESULTS

| Test name                               | Yield (kg/ha) | % of Wyalkatchem |
|-----------------------------------------|---------------|------------------|
| WAWHT2524                               | 413           | 110              |
| Wyalkatchem                             | 388           | 104              |
| Westonia                                | 383           | 102              |
| EGABonnieR                              | 382           | 102              |
| WAWHT2750                               | 380           | 102              |
| Calingiri                               | 379           | 101              |
| Arrino                                  | 376           | 101              |
| Wyalkatchem                             | 374           | 100              |
| EGAJitarng                              | 374           | 100              |
| WAWHT2773                               | 365           | 98               |
| WAWHT2771                               | 361           | 97               |
| WAWHT2727                               | 360           | 96               |
| Binnu                                   | 358           | 96               |
| Wyalkatchem                             | 355           | 95               |
| EGA2248                                 | 354           | 95               |
| Perenjori                               | 352           | 94               |
| Spear                                   | 352           | 94               |
| WAWHT2772                               | 349           | 93               |
| WAWHT2730                               | 332           | 89               |
| Reeves                                  | 330           | 88               |
| WAWHT2726                               | 323           | 86               |
| ClearfdJNZ                              | 319           | 85*              |
| EWentworth                              | 306           | 82*              |
| BT-Schmbrk                              | 301           | 81*              |
| Tincurrin                               | 300           | 80*              |
| EGA Blanco                              | 299           | 80*              |
| Schomburgk                              | 296           | 79*              |
| Carnamah                                | 292           | 78*              |
| Brookton                                | 291           | 78*              |
| Bullaring                               | 289           | 77*              |
| WAWHT2713                               | 287           | 77*              |
| Corrigin                                | 277           | 74*              |
| GBASapphir                              | 277           | 74*              |
| AGTScythe                               | 275           | 74*              |
| Mitre                                   | 273           | 73*              |
| Annuello                                | 269           | 72*              |
| Datatine                                | 257           | 69*              |
| Cadoux                                  | 255           | 68*              |
| Cascades                                | 241           | 64*              |
| TammarinRk                              | 239           | 64*              |
| EGAEagleRk                              | 235           | 63*              |
| *=significant (p=0.05)                  |               |                  |
| Mean                                    | 316           |                  |
| Av. SED                                 | 32            |                  |
| CV                                      | 12.3          |                  |
| Adjusted yield data. Obs. Date 20th Nov |               |                  |

## COMMENTS

Septoria Nodorum Blotch Score 2 (Mid season (19 JUN)).

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Pre Sowing   | Cultivated in April by farmer, 1st knockdown spray by farmer as a summer spray. |
| Early Season | Slow germination due to season.                                                 |
| Mid Season   | Very stressed until good rain in september.                                     |
| Pre Harvest  | Droughted.                                                                      |

*Report as at 11:23:35 03 JAN 2007 analysis as at 11 DEC 2006.*