# Appendix 1. Summary of key data for the 22 RWS used

**Table A1.1: Details of the 22 RWS used in APSIM simulations of Yw. For each station, the station name and source of met data, location and GYGA-ED zone, plus soils and crop maturity types selected.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RWS name \*** | **Lat. (°S) / Long. (°E)** | **CZ** | **RWS buffer area (ha)** | **Cereal crop area (ha)** | **Region for sowing rule** | **Mean annual rainfall (s.d.) (mm)** | **Maturity type for early sowing (26 Apr to 14 May)**  | **Maturity type for late sowing (15 May to 15 Jul)** | **Dominant soils (ASC order)** | **Great Soil Group †**  | **Soil texture** | **Soil PAWC (mm)** | **Soil depth (m)** | **Cereal crop per soil type (%)** |
|
| **Andrews (Geralka) 2** | 33.62 / 138.58 | 5102 | 863 279 | 437 452 | South | 506 (87) | mid-late | mid-early | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils | Sandy loam over dispersive red clay | 108 | 1.3 | 71 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Fine sandy loam over clay | 98 | 1.5 | 18 |
|  |  |  |  |  |  |  |  |  | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Silty clay loam over clay | 211 | 1.65 | 11 |
| **Barellan (Nereena) 2** | 34.22 / 146.46 | 6102 | 2 131 464 | 643 418 | South | 382 (148) | mid-late | mid-early | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Fine sandy loam over medium clay | 213 | 1.5 | 49 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Fine sandy loam over sandy clay | 201 | 1.65 | 46 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy clay loam over heavy clay | 191 | 1.8 | 4 |
| **Condobolin Ag Research Stn 1** | 33.07 / 147.23 | 6102 | 2 210 904 | 554 227 | North | 414 (127) | mid-early | early | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over sandy to light clay | 131 | 1.5 | 44 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Sandy loam over a sandy clay | 124 | 1.2 | 42 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over a heavy clay layer that changes to sandy clay loam at depth | 170 | 1.8 | 10 |
| **Dunmore State Forest 2** | 27.66 / 150.92 | 6202 | 1 891 090 | 397 368 | North | 629 (202) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 296 | 1.8 | 86 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over clay | 104 | 1.2 | 8 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over clay | 232 | 1.8 | 5 |
| **Glen Alvon 2** | 27.86 / 149.56 | 7102 | 2 648 678 | 361 536 | North | 598 (193) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 127 | 1.3 | 52 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over medium clay | 156 | 1.3 | 40 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over sandy clay loam | 175 | 1.8 | 7 |
| **Gunnedah Resource Centre 1** | 31.03 / 150.27 | 6202 | 1 262 286 | 236 771 | North | 672 (178) | mid-early | mid-early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 252 | 1.8 | 74 |
|  |  |  |  |  |  |  |  |  | Ferrosol | Krasnozems, euchrozems, chocolate soils | Heavy clay | 207 | 1.8 | 12 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Loam over clay | 176 | 1.8 | 8 |
| **Kadina 2** | 33.96 / 137.70 | 6102 | 610 784 | 375 714 | South | 365 (73) | mid-late | mid-early | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Clay loam over light-medium-heavy clays | 171 | 1.5 | 62 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy Loam over red clay | 94 | 1 | 20 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over clay | 149 | 1.5 | 17 |
| **Kojonup 1** | 33.83 / 117.16 | 5102 | 1 321 547 | 368 367 | West | 481 (90) | mid-late | mid-late | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over light medium clay | 82 | 2 | 88 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over light clay | 115 | 1.7 | 6 |
|  |  |  |  |  |  |  |  |  | Dermosol | Praire soils, chocolate soils, some red and yellow podzolic soils | Clay loam | 79 | 1.6 | 5 |
| **Kyabram 1** | 36.34 / 145.06 | 5102 | 1 257 257 | 216 535 | South | 411 (122) | mid-late | mid-early | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Fine sandy loam over light clay | 90 | 1.5 | 86 |
|  |  |  |  |  |  |  |  |  | Vertosol | Black earths, grey, brown and red clays | Medium to heavy clay | 111 | 1.8 | 10 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over clay | 147 | 1.2 | 4 |
| **Kyancutta (Warramboo) 2** | 33.13 / 135.56 | 6002 | 1 855 031 | 347 487 | South | 330 (61) | late | late | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Clay loam over clay | 67 | 0.4 | 81 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Loamy sand over sandy clay loam | 87 | 0.8 | 10 |
|  |  |  |  |  |  |  |  |  | Tenosol | Lithosols, siliceous and earthy sands, alpine humus soils and some alluvial soils | Sandy loam over loam | 96 | 0.6 | 9 |
| **Longerenong 1** | 36.67 / 142.30 | 5102 | 1 564 861 | 735 188 | South | 370 (99) | mid | mid-early | Vertosol | Black earths, grey, brown and red clays | Clay | 148 | 1.6 | 54 |
|  |  |  |  |  |  |  |  |  | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Clay Loam | 135 | 1.6 | 25 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over medium clay | 93 | 1.5 | 20 |
| **Loxton Research Centre 1** | 34.44 / 140.60 | 6002 | 2 305 144 | 357 154 | South | 264 (82) | early | early | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Light loamy sand | 83 | 1.2 | 99 |
|  |  |  |  |  |  |  |  |  | Vertosol | Black earths, grey, brown and red clays | Sandy loam over sandy clay | 128 | 1.4 | 1 |
|  |  |  |  |  |  |  |  |  | Tenosol | Lithosols, siliceous and earthy sands, alpine humus soils and some alluvial soils | Deep sand | 72 | 1.4 | <1 |
| **Merredin 1** | 31.48 / 118.28 | 6002 | 2 654 275 | 1 298 952 | West | 322 (78) | early | early | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Sandy loam over light medium clay | 82 | 1.6 | 61 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Sandy loam over silty clay loam | 73 | 1.5 | 24 |
|  |  |  |  |  |  |  |  |  | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Clayey sand | 266 | 1.5 | 7 |
| **Mungindi Post Office 2** | 28.98 / 148.99 | 7102 | 2 283 492 | 522 777 | North | 527 (158) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 198 | 1.8 | 89 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Fine sandy loam over medium clay | 156 | 1.3 | 8 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Fine sandy loam over sandy clay | 170 | 1.5 | 2 |
| **Ouyen (Post Office) 1** | 35.07 / 142.32 | 6002 | 1 740 803 | 471 350 | South | 314 (109) | mid-early | mid-early | Calcarosol | Solodised brown soils, grey-brown and red calcareous soils | Sandy loam | 135 | 1.5 | 98 |
|  |  |  |  |  |  |  |  |  | Vertosol | Black earths, grey, brown and red clays | Sandy clay over clay | 144 | 1.4 | 1 |
|  |  |  |  |  |  |  |  |  | Tenosol | Lithosols, siliceous and earthy sands, alpine humus soils and some alluvial soils | Sand over clayey sand | 180 | 1.6 | <1 |
| **Pallamallawa Post Office 2** | 29.47 / 150.14 | 6202 | 1 297 792 | 378 679 | North | 673 (168) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 191 | 1.8 | 70 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Loam over clay | 176 | 1.8 | 25 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Fine sandy loam over silty clay loam | 153 | 1.8 | 2 |
| **Trangie Research Station AWS 1** | 31.99 / 147.95 | 6102 | 1 787 110 | 508 471 | North | 500 (165) | mid-early | mid-early | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy clay loam over light clay changing to clay loam at depth | 148 | 1.8 | 43 |
|  |  |  |  |  |  |  |  |  | Vertosol  | Black earths, grey, brown and red clays | Medium clay | 184 | 1.8 | 39 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Sandy clay loam over sandy clay | 108 | 1.5 | 16 |
| **Urawilkie 2** | 30.80 / 148.70 | 6102 | 1 470 117 | 304 567 | North | 531 (167) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium Clay | 233 | 1.8 | 87 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy clay loam over light clay changing to clay loam at depth | 148 | 1.8 | 13 |
| **Wagga Wagga Agricultural Institute 1** | 35.05 / 147.35 | 5202 | 963 092 | 345 296 | South | 497 (176) | mid-early | mid-early | Kandosol | Red, yellow and grey earths, calcarious red earths | Fine sandy loam over sandy clay | 216 | 1.65 | 49 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Fine sandy loam over medium clay | 181 | 1.5 | 45 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Fine sandy loam over medium clay | 204 | 1.65 | 6 |
| **Walgett Council Depot 1** | 30.02 / 148.12 | 7102 | 2 022 478 | 309 336 | North | 458 (165) | mid-early | early | Vertosol | Black earths, grey, brown and red clays | Medium clay | 233 | 1.8 | 96 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Clay Loam over Sandy Clay Loam | 139 | 1.2 | 3 |
|  |  |  |  |  |  |  |  |  | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy Clay Loam over Clay | 118 | 1.2 | 2 |
| **White House Farm 2** | 32.63 / 118.56 | 6002 | 2 614 047 | 998 381 | West | 332 (98) | mid-early | early | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over light medium clay | 83 | 1.8 | 63 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Sandy loam over silty clay loam | 79 | 1.6 | 24 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Silty clay loam | 79 | 1.2 | 8 |
| **Wongan Hills Res. Station 2** | 30.84 / 116.73 | 6002 | 1 961 705 | 979 305 | West | 372 (106) | mid | mid | Sodosol | Solodized solonetz and solodic soils, some soloths and red-brown earths, desert loams | Sandy loam over light medium clay | 61 | 1.3 | 50 |
|  |  |  |  |  |  |  |  |  | Kandosol | Red, yellow and grey earths, calcarious red earths | Sandy loam over silty clay loam | 87 | 1.5 | 38 |
|  |  |  |  |  |  |  |  |  | Chromosol | Non-calcic brown soils, some red-brown earths and a range of podzolic soils  | Silty clay loam | 138 | 1.6 | 6 |

\* Digits indicate weather data source, 1: Bureau of Meteorology, 2: SILO Patched Point
† Approximate correlation based on Isbell (1996), Appendix 5

# Appendix 2. Maturity type parameters for APSIM

**Table A2.1: APSIM vernalisation and photoperiod sensitivity parameters for the five maturity types used in wheat crop simulations**

|  |  |  |
| --- | --- | --- |
| Maturity group | Vernalisation sensitivity | Photoperiod sensitivity |
| Early | 1.6 | 1.8 |
| Mid-Early | 1.5 | 3.0 |
| Mid | 1.5 | 3.5 |
| Mid-Late | 2.8 | 3.0 |
| Late | 2.5 | 4.0 |

# Appendix 3. Deriving annual actual yields at SLA level

Yield gap analysis requires actual yield data reported for administrative units that are as congruous as possible with the RWS buffer zones. The Australian Bureau of Statistics (ABS) reports on crop production at the levels of Statistical Local Area (SLA) and at a coarser Statistical Division (SD) level (ABS 2012). Both SD and SLA are part of the Australian Standard Geographical Classification where an SD is an aggregation of SLAs (Walcott et al. 2013). In 2006 the Australian grain zone contained 29 SDs which contained a total of 975 SLAs. The smaller SLA unit is most appropriate for yield gap analysis using the GYGA protocol. However, whilst Agricultural Survey data (SD level) are available for all years of interest in this study (1996-2010) Agricultural Census data are only available for the years 1996, 2000, 2005 and 2010, although they are available on an annual basis for years prior to 1996.

To derive estimates of actual yields (Ya) at SLA scale for the 11 years in which only Agricultural Survey data at SD scale were available, this study investigated the correlation between SLA and SD yields for the 17 years from 1982 to 2010 for which Ya data had been collected at both scales. The slope, intercept, R2, and P score of the linear regression function for each SLA-SD pair was determined (Table A3.1). For the 249 SLAs in which P<0.1 the derived regression equation was used to obtain annual estimates of Ya for the years in which only SD data was available.

**Table A3.1: SLA-SD regression results (SLAs growing wheat with area > 1000ha in 2005) where SLA yield is derived from SD yield (Yield\_SD) for each non-census year. (\*\*\* P<0.01, \*\* P<0.05, \* P<0.1)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Statistical Division ID | Statistical Local Area ID | Statistical Local Area Name | Model for SLA Yield | R2 | P score |
| 110 | 110107620 | Upper Hunter Shire (A) | 1.03\* Yield\_SD - 0.02 | 1.00 | 0.000\*\*\* |
| 130 | 130057311 | Tamworth Regional (A) - Pt A | 1.02\* Yield\_SD + 0.12 | 0.93 | 0.000\*\*\* |
| 130 | 130103550 | Gunnedah (A) | 1.02\* Yield\_SD + 0.31 | 0.89 | 0.000\*\*\* |
| 130 | 130103660 | Gwydir (A) | 0.90\* Yield\_SD + 0.37 | 0.94 | 0.000\*\*\* |
| 130 | 130104201 | Inverell (A) - Pt A | 0.89\* Yield\_SD + 0.08 | 0.92 | 0.000\*\*\* |
| 130 | 130104920 | Liverpool Plains (A) | 0.94\* Yield\_SD + 0.86 | 0.81 | 0.000\*\*\* |
| 130 | 130107314 | Tamworth Regional (A) - Pt B | 0.98\* Yield\_SD + 0.09 | 0.93 | 0.000\*\*\* |
| 130 | 130154202 | Inverell (A) - Pt B | 0.74\* Yield\_SD + 0.49 | 0.80 | 0.000\*\*\* |
| 130 | 130205300 | Moree Plains (A) | 1.01\* Yield\_SD - 0.14 | 0.99 | 0.000\*\*\* |
| 130 | 130205750 | Narrabri (A) | 1.04\* Yield\_SD - 0.08 | 0.95 | 0.000\*\*\* |
| 135 | 135012601 | Dubbo (C) - Pt A | 0.94\* Yield\_SD + 0.37 | 0.82 | 0.000\*\*\* |
| 135 | 135052604 | Dubbo (C) - Pt B | 1.00\* Yield\_SD + 0.31 | 0.87 | 0.000\*\*\* |
| 135 | 135052950 | Gilgandra (A) | 1.12\* Yield\_SD - 0.07 | 0.96 | 0.000\*\*\* |
| 135 | 135055271 | Mid-Western Regional (A) - Pt A | 0.92\* Yield\_SD + 0.48 | 0.81 | 0.000\*\*\* |
| 135 | 135055850 | Narromine (A) | 1.05\* Yield\_SD + 0.22 | 0.95 | 0.000\*\*\* |
| 135 | 135058020 | Warrumbungle Shire (A) | 1.02\* Yield\_SD + 0.41 | 0.91 | 0.000\*\*\* |
| 135 | 135058150 | Wellington (A) | 0.99\* Yield\_SD + 0.59 | 0.82 | 0.000\*\*\* |
| 135 | 135100950 | Bogan (A) | 0.93\* Yield\_SD - 0.18 | 0.95 | 0.000\*\*\* |
| 135 | 135102150 | Coonamble (A) | 1.10\* Yield\_SD - 0.17 | 0.97 | 0.000\*\*\* |
| 135 | 135107900 | Walgett (A) | 0.97\* Yield\_SD - 0.21 | 0.95 | 0.000\*\*\* |
| 135 | 135107950 | Warren (A) | 1.14\* Yield\_SD - 0.07 | 0.97 | 0.000\*\*\* |
| 135 | 135151200 | Brewarrina (A) | 0.63\* Yield\_SD + 0.06 | 0.75 | 0.001\*\*\* |
| 135 | 135151750 | Cobar (A) | 0.57\* Yield\_SD + 0.26 | 0.77 | 0.000\*\*\* |
| 140 | 140030471 | Bathurst Regional (A) - Pt A | 1.00\* Yield\_SD + 0.26 | 0.81 | 0.000\*\*\* |
| 140 | 140070473 | Bathurst Regional (A) - Pt B | 0.93\* Yield\_SD + 0.23 | 0.75 | 0.001\*\*\* |
| 140 | 140070850 | Blayney (A) | 0.83\* Yield\_SD + 0.44 | 0.77 | 0.000\*\*\* |
| 140 | 140071400 | Cabonne (A) | 1.27\* Yield\_SD + 0.06 | 0.93 | 0.000\*\*\* |
| 140 | 140150800 | Bland (A) | 0.96\* Yield\_SD + 0.11 | 0.97 | 0.000\*\*\* |
| 140 | 140152350 | Cowra (A) | 1.13\* Yield\_SD + 0.43 | 0.90 | 0.000\*\*\* |
| 140 | 140152900 | Forbes (A) | 1.06\* Yield\_SD - 0.03 | 0.99 | 0.000\*\*\* |
| 140 | 140154600 | Lachlan (A) | 0.88\* Yield\_SD - 0.07 | 0.96 | 0.000\*\*\* |
| 140 | 140156200 | Parkes (A) | 1.08\* Yield\_SD - 0.11 | 0.97 | 0.000\*\*\* |
| 140 | 140158100 | Weddin (A) | 1.21\* Yield\_SD - 0.03 | 0.94 | 0.000\*\*\* |
| 145 | 145101050 | Boorowa (A) | 1.00\* Yield\_SD + 0.08 | 0.94 | 0.000\*\*\* |
| 145 | 145103700 | Harden (A) | 0.94\* Yield\_SD + 0.33 | 0.99 | 0.000\*\*\* |
| 145 | 145108710 | Yass Valley (A) | 0.82\* Yield\_SD - 0.1 | 0.85 | 0.000\*\*\* |
| 145 | 145108750 | Young (A) | 1.06\* Yield\_SD - 0.21 | 0.99 | 0.000\*\*\* |
| 150 | 150057751 | Wagga Wagga (C) - Pt A | 1.03\* Yield\_SD + 0.07 | 0.99 | 0.000\*\*\* |
| 150 | 150102000 | Coolamon (A) | 1.15\* Yield\_SD - 0.19 | 0.98 | 0.000\*\*\* |
| 150 | 150102200 | Cootamundra (A) | 1.30\* Yield\_SD + 0.06 | 0.93 | 0.000\*\*\* |
| 150 | 150104300 | Junee (A) | 1.26\* Yield\_SD - 0.12 | 0.98 | 0.000\*\*\* |
| 150 | 150104950 | Lockhart (A) | 1.14\* Yield\_SD - 0.24 | 0.96 | 0.000\*\*\* |
| 150 | 150105800 | Narrandera (A) | 1.06\* Yield\_SD - 0.27 | 0.99 | 0.000\*\*\* |
| 150 | 150107350 | Temora (A) | 1.13\* Yield\_SD - 0.2 | 0.99 | 0.000\*\*\* |
| 150 | 150107754 | Wagga Wagga (C) - Pt B | 1.00\* Yield\_SD + 0.12 | 0.98 | 0.000\*\*\* |
| 150 | 150151600 | Carrathool (A) | 0.82\* Yield\_SD - 0.07 | 0.92 | 0.000\*\*\* |
| 150 | 150153450 | Griffith (C) | 0.59\* Yield\_SD + 1.43 | 0.61 | 0.009\*\*\* |
| 150 | 150153850 | Hay (A) | 0.57\* Yield\_SD + 0.73 | 0.74 | 0.001\*\*\* |
| 150 | 150154750 | Leeton (A) | 0.80\* Yield\_SD + 0.65 | 0.91 | 0.000\*\*\* |
| 150 | 150155550 | Murrumbidgee (A) | 0.82\* Yield\_SD + 0.65 | 0.70 | 0.002\*\*\* |
| 155 | 155050050 | Albury (C) | 1.06\* Yield\_SD + 0.34 | 0.86 | 0.000\*\*\* |
| 155 | 155053371 | Greater Hume Shire (A) - Pt A | 1.27\* Yield\_SD + 0.04 | 0.95 | 0.000\*\*\* |
| 155 | 155102300 | Corowa Shire (A) | 1.30\* Yield\_SD - 0.31 | 0.97 | 0.000\*\*\* |
| 155 | 155103374 | Greater Hume Shire (A) - Pt B | 1.32\* Yield\_SD - 0.15 | 0.95 | 0.000\*\*\* |
| 155 | 155107700 | Urana (A) | 1.28\* Yield\_SD - 0.41 | 0.98 | 0.000\*\*\* |
| 155 | 155150650 | Berrigan (A) | 1.12\* Yield\_SD + 0.1 | 0.95 | 0.000\*\*\* |
| 155 | 155151860 | Conargo (A) | 0.93\* Yield\_SD + 0.51 | 0.93 | 0.000\*\*\* |
| 155 | 155152500 | Deniliquin (A) | 0.63\* Yield\_SD + 0.59 | 0.52 | 0.033\*\* |
| 155 | 155154250 | Jerilderie (A) | 1.06\* Yield\_SD + 0.35 | 0.91 | 0.000\*\*\* |
| 155 | 155155500 | Murray (A) | 0.96\* Yield\_SD - 0.03 | 0.94 | 0.000\*\*\* |
| 155 | 155157800 | Wakool (A) | 0.91\* Yield\_SD + 0 | 0.90 | 0.000\*\*\* |
| 155 | 155200300 | Balranald (A) | 0.73\* Yield\_SD - 0.02 | 0.88 | 0.000\*\*\* |
| 210 | 210106495 | Surf Coast (S) - West | 1.07\* Yield\_SD + 0.22 | 0.92 | 0.000\*\*\* |
| 210 | 210151754 | Colac-Otway (S) - North | 1.15\* Yield\_SD - 0.11 | 0.95 | 0.000\*\*\* |
| 210 | 210152491 | Golden Plains (S) - North-West | 0.83\* Yield\_SD + 0.21 | 0.89 | 0.000\*\*\* |
| 210 | 210152492 | Golden Plains (S) - South-East | 1.00\* Yield\_SD - 0.11 | 0.98 | 0.000\*\*\* |
| 215 | 215051831 | Corangamite (S) - North | 1.09\* Yield\_SD - 0.3 | 0.93 | 0.000\*\*\* |
| 215 | 215055491 | Moyne (S) - North-East | 0.98\* Yield\_SD + 0.2 | 0.77 | 0.000\*\*\* |
| 215 | 215055493 | Moyne (S) - North-West | 0.88\* Yield\_SD + 0.29 | 0.85 | 0.000\*\*\* |
| 215 | 215106264 | S. Grampians (S) - Wannon | 0.53\* Yield\_SD + 0.69 | 0.49 | 0.053\* |
| 215 | 215106265 | S. Grampians (S) Bal | 1.05\* Yield\_SD + 0 | 0.95 | 0.000\*\*\* |
| 220 | 220050573 | Ballarat (C) - North | 1.13\* Yield\_SD - 0.11 | 0.75 | 0.000\*\*\* |
| 220 | 220102912 | Hepburn (S) - West | 0.94\* Yield\_SD + 0.13 | 0.93 | 0.000\*\*\* |
| 220 | 220105154 | Moorabool (S) - Ballan | 1.20\* Yield\_SD - 0.49 | 0.67 | 0.004\*\*\* |
| 220 | 220105155 | Moorabool (S) - West | 0.48\* Yield\_SD + 1.45 | 0.63 | 0.009\*\*\* |
| 220 | 220150260 | Ararat (RC) | 1.03\* Yield\_SD + 0.01 | 0.99 | 0.000\*\*\* |
| 220 | 220155991 | Pyrenees (S) - North | 0.92\* Yield\_SD - 0.26 | 0.90 | 0.000\*\*\* |
| 220 | 220155994 | Pyrenees (S) - South | 0.94\* Yield\_SD + 0.17 | 0.94 | 0.000\*\*\* |
| 225 | 225053194 | Horsham (RC) Bal | 0.97\* Yield\_SD + 0.25 | 0.98 | 0.000\*\*\* |
| 225 | 225055811 | N. Grampians (S) - St Arnaud | 0.96\* Yield\_SD + 0.03 | 0.98 | 0.000\*\*\* |
| 225 | 225055814 | N. Grampians (S) - Stawell | 0.92\* Yield\_SD + 0.14 | 0.93 | 0.000\*\*\* |
| 225 | 225056890 | West Wimmera (S) | 0.94\* Yield\_SD + 0.13 | 0.91 | 0.000\*\*\* |
| 225 | 225102980 | Hindmarsh (S) | 0.96\* Yield\_SD + 0.1 | 0.98 | 0.000\*\*\* |
| 225 | 225107631 | Yarriambiack (S) - North | 1.05\* Yield\_SD - 0.39 | 0.95 | 0.000\*\*\* |
| 225 | 225107632 | Yarriambiack (S) - South | 1.11\* Yield\_SD - 0.05 | 0.98 | 0.000\*\*\* |
| 230 | 230054781 | Mildura (RC) - Pt A | 0.57\* Yield\_SD + 0.22 | 0.75 | 0.001\*\*\* |
| 230 | 230101271 | Buloke (S) - North | 1.18\* Yield\_SD - 0.12 | 0.98 | 0.000\*\*\* |
| 230 | 230101272 | Buloke (S) - South | 0.99\* Yield\_SD + 0.32 | 0.89 | 0.000\*\*\* |
| 230 | 230104782 | Mildura (RC) - Pt B | 0.84\* Yield\_SD + 0.01 | 0.96 | 0.000\*\*\* |
| 230 | 230152250 | Gannawarra (S) | 1.18\* Yield\_SD + 0.08 | 0.95 | 0.000\*\*\* |
| 230 | 230156611 | Swan Hill (RC) - Central | 1.34\* Yield\_SD - 0.41 | 0.80 | 0.000\*\*\* |
| 230 | 230156614 | Swan Hill (RC) - Robinvale | 0.91\* Yield\_SD + 0.09 | 0.95 | 0.000\*\*\* |
| 230 | 230156616 | Swan Hill (RC) Bal | 0.98\* Yield\_SD + 0.04 | 0.98 | 0.000\*\*\* |
| 235 | 235101674 | C. Goldfields (S) Bal | 0.97\* Yield\_SD + 0.01 | 0.90 | 0.000\*\*\* |
| 235 | 235102628 | Gr. Bendigo (C) - Pt B | 1.02\* Yield\_SD + 0.05 | 0.89 | 0.000\*\*\* |
| 235 | 235103943 | Loddon (S) - North | 1.04\* Yield\_SD + 0 | 0.97 | 0.000\*\*\* |
| 235 | 235103945 | Loddon (S) - South | 0.93\* Yield\_SD - 0.04 | 0.99 | 0.000\*\*\* |
| 235 | 235105434 | Mount Alexander (S) Bal | 1.15\* Yield\_SD - 0.1 | 0.85 | 0.000\*\*\* |
| 240 | 240101374 | Campaspe (S) - Kyabram | 0.92\* Yield\_SD + 0.15 | 0.92 | 0.000\*\*\* |
| 240 | 240101375 | Campaspe (S) - Rochester | 0.86\* Yield\_SD + 0.06 | 0.89 | 0.000\*\*\* |
| 240 | 240101376 | Campaspe (S) - South | 0.95\* Yield\_SD + 0.15 | 0.95 | 0.000\*\*\* |
| 240 | 240102834 | Gr. Shepparton (C) - Pt B East | 0.97\* Yield\_SD + 0.22 | 0.98 | 0.000\*\*\* |
| 240 | 240102835 | Gr. Shepparton (C) - Pt B West | 0.63\* Yield\_SD + 0.75 | 0.80 | 0.000\*\*\* |
| 240 | 240104901 | Moira (S) - East | 1.22\* Yield\_SD - 0.32 | 0.99 | 0.000\*\*\* |
| 240 | 240104904 | Moira (S) - West | 0.92\* Yield\_SD + 0.11 | 0.99 | 0.000\*\*\* |
| 240 | 240151014 | Benalla (RC) Bal | 1.13\* Yield\_SD - 0.08 | 0.95 | 0.000\*\*\* |
| 240 | 240156430 | Strathbogie (S) | 0.80\* Yield\_SD + 0.28 | 0.87 | 0.000\*\*\* |
| 245 | 245103352 | Indigo (S) - Pt B | 1.12\* Yield\_SD - 0.2 | 0.97 | 0.000\*\*\* |
| 245 | 245106704 | Wangaratta (RC) - North | 0.86\* Yield\_SD - 0.02 | 0.93 | 0.000\*\*\* |
| 315 | 315104350 | Kingaroy (S) | 1.15\* Yield\_SD - 0.41 | 0.98 | 0.000\*\*\* |
| 315 | 315105150 | Monto (S) | 0.60\* Yield\_SD + 1.15 | 0.70 | 0.002\*\*\* |
| 315 | 315105500 | Murgon (S) | 0.64\* Yield\_SD + 0.83 | 0.51 | 0.034\*\* |
| 315 | 315107450 | Wondai (S) | 1.01\* Yield\_SD - 0.1 | 0.96 | 0.000\*\*\* |
| 320 | 320014201 | Jondaryan (S) - Pt A | 1.08\* Yield\_SD + 0.31 | 0.69 | 0.002\*\*\* |
| 320 | 320052154 | Cambooya (S) - Pt B | 1.21\* Yield\_SD + 0.22 | 0.82 | 0.000\*\*\* |
| 320 | 320052350 | Chinchilla (S) | 1.07\* Yield\_SD - 0.09 | 0.85 | 0.000\*\*\* |
| 320 | 320052400 | Clifton (S) | 0.85\* Yield\_SD + 0.59 | 0.78 | 0.000\*\*\* |
| 320 | 320053900 | Inglewood (S) | 0.71\* Yield\_SD + 0.31 | 0.77 | 0.000\*\*\* |
| 320 | 320054204 | Jondaryan (S) - Pt B | 1.15\* Yield\_SD + 0.32 | 0.79 | 0.000\*\*\* |
| 320 | 320055000 | Millmerran (S) | 0.90\* Yield\_SD + 0.54 | 0.76 | 0.000\*\*\* |
| 320 | 320055550 | Murilla (S) | 1.16\* Yield\_SD - 0.35 | 0.84 | 0.000\*\*\* |
| 320 | 320056050 | Pittsworth (S) | 1.18\* Yield\_SD + 0.33 | 0.70 | 0.002\*\*\* |
| 320 | 320056454 | Rosalie (S) - Pt B | 1.30\* Yield\_SD - 0.35 | 0.91 | 0.000\*\*\* |
| 320 | 320056700 | Tara (S) | 1.10\* Yield\_SD - 0.27 | 0.97 | 0.000\*\*\* |
| 320 | 320056750 | Taroom (S) | 0.97\* Yield\_SD - 0.33 | 0.77 | 0.000\*\*\* |
| 320 | 320057120 | Waggamba (S) | 0.95\* Yield\_SD + 0.06 | 0.91 | 0.000\*\*\* |
| 320 | 320057150 | Wambo (S) | 1.17\* Yield\_SD + 0.02 | 0.87 | 0.000\*\*\* |
| 320 | 320057263 | Warwick (S) - East | 0.68\* Yield\_SD + 0.77 | 0.58 | 0.019\*\* |
| 325 | 325050300 | Balonne (S) | 0.97\* Yield\_SD - 0.02 | 0.87 | 0.000\*\*\* |
| 325 | 325050650 | Bendemere (S) | 1.01\* Yield\_SD + 0.05 | 0.83 | 0.000\*\*\* |
| 325 | 325050850 | Booringa (S) | 0.89\* Yield\_SD - 0 | 0.84 | 0.000\*\*\* |
| 325 | 325051850 | Bungil (S) | 1.09\* Yield\_SD - 0.01 | 0.89 | 0.000\*\*\* |
| 325 | 325055800 | Paroo (S) | 0.78\* Yield\_SD + 0.08 | 0.69 | 0.002\*\*\* |
| 325 | 325057200 | Warroo (S) | 0.94\* Yield\_SD + 0.03 | 0.96 | 0.000\*\*\* |
| 330 | 330150350 | Banana (S) | 0.86\* Yield\_SD + 0.23 | 0.84 | 0.000\*\*\* |
| 330 | 330150500 | Bauhinia (S) | 1.13\* Yield\_SD - 0.21 | 0.93 | 0.000\*\*\* |
| 330 | 330152850 | Duaringa (S) | 0.77\* Yield\_SD + 0.42 | 0.77 | 0.000\*\*\* |
| 330 | 330153000 | Emerald (S) | 1.07\* Yield\_SD - 0.08 | 0.92 | 0.000\*\*\* |
| 330 | 330155850 | Peak Downs (S) | 1.20\* Yield\_SD - 0.46 | 0.86 | 0.000\*\*\* |
| 340 | 340100600 | Belyando (S) | 1.04\* Yield\_SD - 0.08 | 0.99 | 0.000\*\*\* |
| 340 | 340101700 | Broadsound (S) | 0.90\* Yield\_SD + 0.16 | 0.91 | 0.000\*\*\* |
| 410 | 410050311 | Barossa (DC) - Angaston | 0.88\* Yield\_SD - 0.21 | 0.89 | 0.000\*\*\* |
| 410 | 410050314 | Barossa (DC) - Barossa | 0.94\* Yield\_SD + 0.3 | 0.94 | 0.000\*\*\* |
| 410 | 410053650 | Light (RegC) | 1.05\* Yield\_SD + 0.13 | 0.99 | 0.000\*\*\* |
| 410 | 410053920 | Mallala (DC) | 1.07\* Yield\_SD - 0.34 | 0.98 | 0.000\*\*\* |
| 410 | 410102750 | Kangaroo Island (DC) | 0.65\* Yield\_SD + 0.32 | 0.54 | 0.027\*\* |
| 410 | 410200224 | Alexandrina (DC) - Strathalbyn | 0.90\* Yield\_SD + 0.05 | 0.96 | 0.000\*\*\* |
| 415 | 415050430 | Barunga West (DC) | 0.93\* Yield\_SD + 0.13 | 0.98 | 0.000\*\*\* |
| 415 | 415051560 | Copper Coast (DC) | 1.05\* Yield\_SD - 0.09 | 0.96 | 0.000\*\*\* |
| 415 | 415058831 | Yorke Peninsula (DC) - North | 1.09\* Yield\_SD + 0.11 | 0.98 | 0.000\*\*\* |
| 415 | 415058834 | Yorke Peninsula (DC) - South | 0.90\* Yield\_SD + 0.21 | 0.96 | 0.000\*\*\* |
| 415 | 415101140 | Clare and Gilbert Valleys (DC) | 1.12\* Yield\_SD + 0.21 | 0.97 | 0.000\*\*\* |
| 415 | 415102110 | Goyder (DC) | 0.72\* Yield\_SD + 0.14 | 0.92 | 0.000\*\*\* |
| 415 | 415108130 | Wakefield (DC) | 0.94\* Yield\_SD + 0.09 | 0.99 | 0.000\*\*\* |
| 420 | 420053791 | Loxton Waikerie (DC) - East | 1.06\* Yield\_SD - 0.23 | 0.97 | 0.000\*\*\* |
| 420 | 420053794 | Loxton Waikerie (DC) - West | 0.84\* Yield\_SD - 0.14 | 0.94 | 0.000\*\*\* |
| 420 | 420054210 | Mid Murray (DC) | 0.92\* Yield\_SD + 0.09 | 0.92 | 0.000\*\*\* |
| 420 | 420059039 | Unincorp. Riverland | 0.91\* Yield\_SD - 0.18 | 0.56 | 0.020\*\* |
| 420 | 420103080 | Karoonda East Murray (DC) | 0.92\* Yield\_SD - 0.11 | 0.97 | 0.000\*\*\* |
| 420 | 420105040 | Murray Bridge (RC) | 0.89\* Yield\_SD + 0.4 | 0.92 | 0.000\*\*\* |
| 420 | 420107290 | Southern Mallee (DC) | 1.08\* Yield\_SD + 0.22 | 0.94 | 0.000\*\*\* |
| 420 | 420107800 | The Coorong (DC) | 1.10\* Yield\_SD + 0.37 | 0.85 | 0.000\*\*\* |
| 425 | 425055090 | Naracoorte and Lucindale (DC) | 0.95\* Yield\_SD + 0.2 | 0.89 | 0.000\*\*\* |
| 425 | 425057630 | Tatiara (DC) | 1.09\* Yield\_SD - 0.26 | 0.97 | 0.000\*\*\* |
| 425 | 425108341 | Wattle Range (DC) - East | 0.61\* Yield\_SD + 1.13 | 0.43 | 0.081\* |
| 425 | 425108344 | Wattle Range (DC) - West | 0.53\* Yield\_SD + 1.84 | 0.53 | 0.030\*\* |
| 430 | 430051190 | Cleve (DC) | 1.07\* Yield\_SD + 0.02 | 0.99 | 0.000\*\*\* |
| 430 | 430051750 | Elliston (DC) | 1.00\* Yield\_SD + 0.09 | 0.96 | 0.000\*\*\* |
| 430 | 430051960 | Franklin Harbour (DC) | 0.94\* Yield\_SD - 0.02 | 0.91 | 0.000\*\*\* |
| 430 | 430053220 | Kimba (DC) | 1.10\* Yield\_SD - 0.15 | 0.97 | 0.000\*\*\* |
| 430 | 430053570 | Le Hunte (DC) | 0.96\* Yield\_SD - 0.09 | 0.96 | 0.000\*\*\* |
| 430 | 430053710 | Lower Eyre Peninsula (DC) | 1.06\* Yield\_SD + 0.81 | 0.85 | 0.000\*\*\* |
| 430 | 430057910 | Tumby Bay (DC) | 1.23\* Yield\_SD + 0.22 | 0.96 | 0.000\*\*\* |
| 430 | 430101010 | Ceduna (DC) | 0.76\* Yield\_SD - 0.06 | 0.90 | 0.000\*\*\* |
| 430 | 430107490 | Streaky Bay (DC) | 0.81\* Yield\_SD + 0.02 | 0.93 | 0.000\*\*\* |
| 430 | 430109249 | Unincorp. West Coast | 0.84\* Yield\_SD - 0.2 | 0.91 | 0.000\*\*\* |
| 435 | 435155120 | Northern Areas (DC) | 1.14\* Yield\_SD + 0.19 | 0.96 | 0.000\*\*\* |
| 435 | 435155400 | Orroroo/Carrieton (DC) | 0.94\* Yield\_SD - 0.17 | 0.95 | 0.000\*\*\* |
| 435 | 435155540 | Peterborough (DC) | 0.59\* Yield\_SD + 0.23 | 0.82 | 0.000\*\*\* |
| 435 | 435156454 | Port Pirie C Dists (M) Bal | 0.99\* Yield\_SD + 0.21 | 0.91 | 0.000\*\*\* |
| 435 | 435201830 | Flinders Ranges (DC) | 0.70\* Yield\_SD + 0.01 | 0.78 | 0.000\*\*\* |
| 435 | 435204830 | Mount Remarkable (DC) | 0.96\* Yield\_SD - 0.15 | 0.96 | 0.000\*\*\* |
| 515 | 515051050 | Broomehill (S) | 1.24\* Yield\_SD - 0.16 | 0.94 | 0.000\*\*\* |
| 515 | 515053640 | Gnowangerup (S) | 1.13\* Yield\_SD - 0.08 | 0.96 | 0.000\*\*\* |
| 515 | 515054130 | Jerramungup (S) | 0.97\* Yield\_SD - 0.12 | 0.88 | 0.000\*\*\* |
| 515 | 515054340 | Katanning (S) | 1.05\* Yield\_SD + 0.03 | 0.94 | 0.000\*\*\* |
| 515 | 515054480 | Kent (S) | 0.87\* Yield\_SD + 0.04 | 0.94 | 0.000\*\*\* |
| 515 | 515054550 | Kojonup (S) | 0.91\* Yield\_SD + 0.34 | 0.79 | 0.000\*\*\* |
| 515 | 515058120 | Tambellup (S) | 1.25\* Yield\_SD - 0.27 | 0.94 | 0.000\*\*\* |
| 515 | 515059380 | Woodanilling (S) | 1.04\* Yield\_SD + 0.07 | 0.87 | 0.000\*\*\* |
| 515 | 515100084 | Albany (C) Bal | 0.78\* Yield\_SD + 0.4 | 0.62 | 0.008\*\*\* |
| 515 | 515102240 | Cranbrook (S) | 1.00\* Yield\_SD + 0.06 | 0.80 | 0.000\*\*\* |
| 515 | 515107210 | Plantagenet (S) | 1.00\* Yield\_SD + 0.33 | 0.81 | 0.000\*\*\* |
| 520 | 520050910 | Brookton (S) | 0.76\* Yield\_SD + 0.55 | 0.85 | 0.000\*\*\* |
| 520 | 520052310 | Cuballing (S) | 1.13\* Yield\_SD + 0.02 | 0.86 | 0.000\*\*\* |
| 520 | 520053010 | Dumbleyung (S) | 0.99\* Yield\_SD + 0.12 | 0.93 | 0.000\*\*\* |
| 520 | 520056510 | Narrogin (S) | 1.26\* Yield\_SD - 0.14 | 0.98 | 0.000\*\*\* |
| 520 | 520057140 | Pingelly (S) | 1.02\* Yield\_SD + 0.19 | 0.88 | 0.000\*\*\* |
| 520 | 520058610 | Wagin (S) | 1.04\* Yield\_SD + 0.2 | 0.87 | 0.000\*\*\* |
| 520 | 520058680 | Wandering (S) | 1.06\* Yield\_SD + 0.18 | 0.83 | 0.000\*\*\* |
| 520 | 520058890 | West Arthur (S) | 0.57\* Yield\_SD + 0.8 | 0.59 | 0.012\*\* |
| 520 | 520059100 | Wickepin (S) | 1.01\* Yield\_SD + 0.13 | 0.95 | 0.000\*\*\* |
| 520 | 520059170 | Williams (S) | 0.93\* Yield\_SD + 0.23 | 0.72 | 0.001\*\*\* |
| 520 | 520102100 | Corrigin (S) | 1.13\* Yield\_SD - 0.09 | 0.94 | 0.000\*\*\* |
| 520 | 520104620 | Kondinin (S) | 1.00\* Yield\_SD - 0.17 | 0.94 | 0.000\*\*\* |
| 520 | 520104760 | Kulin (S) | 1.06\* Yield\_SD - 0.12 | 0.99 | 0.000\*\*\* |
| 520 | 520104900 | Lake Grace (S) | 0.94\* Yield\_SD - 0.01 | 0.97 | 0.000\*\*\* |
| 525 | 525051680 | Chittering (S) | 0.95\* Yield\_SD + 1.06 | 0.61 | 0.009\*\*\* |
| 525 | 525052590 | Dandaragan (S) | 0.85\* Yield\_SD + 0.58 | 0.55 | 0.022\*\* |
| 525 | 525053570 | Gingin (S) | 0.55\* Yield\_SD + 0.9 | 0.47 | 0.056\* |
| 525 | 525055600 | Moora (S) | 0.90\* Yield\_SD + 0.56 | 0.81 | 0.000\*\*\* |
| 525 | 525058540 | Victoria Plains (S) | 0.81\* Yield\_SD + 0.9 | 0.75 | 0.001\*\*\* |
| 525 | 525100560 | Beverley (S) | 1.02\* Yield\_SD + 0.36 | 0.83 | 0.000\*\*\* |
| 525 | 525102450 | Cunderdin (S) | 1.01\* Yield\_SD + 0.33 | 0.91 | 0.000\*\*\* |
| 525 | 525102520 | Dalwallinu (S) | 1.01\* Yield\_SD - 0.03 | 0.90 | 0.000\*\*\* |
| 525 | 525102940 | Dowerin (S) | 1.03\* Yield\_SD + 0.24 | 0.94 | 0.000\*\*\* |
| 525 | 525103710 | Goomalling (S) | 0.99\* Yield\_SD + 0.46 | 0.92 | 0.000\*\*\* |
| 525 | 525104690 | Koorda (S) | 0.98\* Yield\_SD - 0.2 | 0.91 | 0.000\*\*\* |
| 525 | 525106720 | Northam (S) | 1.05\* Yield\_SD + 0.35 | 0.84 | 0.000\*\*\* |
| 525 | 525107350 | Quairading (S) | 1.17\* Yield\_SD - 0.04 | 0.86 | 0.000\*\*\* |
| 525 | 525108190 | Tammin (S) | 1.20\* Yield\_SD - 0 | 0.90 | 0.000\*\*\* |
| 525 | 525108330 | Toodyay (S) | 1.18\* Yield\_SD + 0.45 | 0.76 | 0.000\*\*\* |
| 525 | 525109310 | Wongan-Ballidu (S) | 1.00\* Yield\_SD + 0.31 | 0.90 | 0.000\*\*\* |
| 525 | 525109450 | Wyalkatchem (S) | 1.24\* Yield\_SD - 0.27 | 0.92 | 0.000\*\*\* |
| 525 | 525109730 | York (S) | 1.20\* Yield\_SD + 0.17 | 0.86 | 0.000\*\*\* |
| 525 | 525151120 | Bruce Rock (S) | 1.10\* Yield\_SD - 0.1 | 0.89 | 0.000\*\*\* |
| 525 | 525154410 | Kellerberrin (S) | 1.03\* Yield\_SD - 0.12 | 0.94 | 0.000\*\*\* |
| 525 | 525155460 | Merredin (S) | 0.89\* Yield\_SD - 0.1 | 0.98 | 0.000\*\*\* |
| 525 | 525155880 | Mount Marshall (S) | 1.04\* Yield\_SD - 0.34 | 0.90 | 0.000\*\*\* |
| 525 | 525155950 | Mukinbudin (S) | 1.09\* Yield\_SD - 0.47 | 0.90 | 0.000\*\*\* |
| 525 | 525156370 | Narembeen (S) | 1.07\* Yield\_SD - 0.14 | 0.94 | 0.000\*\*\* |
| 525 | 525156860 | Nungarin (S) | 0.96\* Yield\_SD - 0.31 | 0.84 | 0.000\*\*\* |
| 525 | 525158400 | Trayning (S) | 1.26\* Yield\_SD - 0.41 | 0.96 | 0.000\*\*\* |
| 525 | 525159030 | Westonia (S) | 0.97\* Yield\_SD - 0.34 | 0.88 | 0.000\*\*\* |
| 525 | 525159660 | Yilgarn (S) | 1.10\* Yield\_SD - 0.45 | 0.92 | 0.000\*\*\* |
| 530 | 530103290 | Esperance (S) | 1.03\* Yield\_SD + 0.01 | 0.99 | 0.000\*\*\* |
| 530 | 530107420 | Ravensthorpe (S) | 0.82\* Yield\_SD + 0.18 | 0.87 | 0.000\*\*\* |
| 535 | 535033851 | Greenough (S) - Pt A | 0.65\* Yield\_SD + 0.65 | 0.69 | 0.002\*\*\* |
| 535 | 535151470 | Carnamah (S) | 0.85\* Yield\_SD + 0.33 | 0.94 | 0.000\*\*\* |
| 535 | 535151610 | Chapman Valley (S) | 0.92\* Yield\_SD + 0.1 | 0.97 | 0.000\*\*\* |
| 535 | 535152030 | Coorow (S) | 0.95\* Yield\_SD + 0.29 | 0.91 | 0.000\*\*\* |
| 535 | 535153854 | Greenough (S) - Pt B | 0.84\* Yield\_SD + 0.39 | 0.90 | 0.000\*\*\* |
| 535 | 535154060 | Irwin (S) | 1.27\* Yield\_SD - 0.1 | 0.88 | 0.000\*\*\* |
| 535 | 535155530 | Mingenew (S) | 1.40\* Yield\_SD - 0.29 | 0.97 | 0.000\*\*\* |
| 535 | 535155670 | Morawa (S) | 0.96\* Yield\_SD - 0.1 | 0.96 | 0.000\*\*\* |
| 535 | 535156020 | Mullewa (S) | 0.93\* Yield\_SD - 0.03 | 0.97 | 0.000\*\*\* |
| 535 | 535156790 | Northampton (S) | 1.05\* Yield\_SD + 0.13 | 0.96 | 0.000\*\*\* |
| 535 | 535157000 | Perenjori (S) | 0.88\* Yield\_SD - 0.03 | 0.95 | 0.000\*\*\* |
| 535 | 535158260 | Three Springs (S) | 1.09\* Yield\_SD + 0.02 | 0.95 | 0.000\*\*\* |