Example 4-6: Yield-test weight relationship in wheat

Wheat Test

entry Yield weight

Year number Block (bu/ac) (lb/bu)

--------------------------------------------

2006 214 1 84.993 56.6

2006 214 2 83.517 57.8

2006 214 3 85.091 57.7

2006 214 4 93.271 57.6

2006 247 1 91.308 57.0

2006 247 2 86.554 56.6

2006 247 3 92.930 56.8

2006 247 4 86.356 56.0

2006 275 1 66.215 55.7

2006 275 2 66.215 56.4

2006 275 3 81.841 56.2

2006 275 4 85.286 55.7

2006 458 1 93.462 53.9

2006 458 2 84.076 54.5

2006 458 3 89.129 52.8

2006 458 4 95.102 52.7

2007 214 1 95.750 59.8

2007 214 2 82.074 59.3

2007 214 3 71.153 60.2

2007 214 4 76.513 56.7

2007 247 1 97.293 58.0

2007 247 2 68.698 56.2

2007 247 3 72.577 59.6

2007 247 4 80.402 61.0

2007 275 1 110.985 59.1

2007 275 2 58.190 51.1

2007 275 3 67.775 54.4

2007 275 4 58.322 51.5

2007 458 1 . 51.8

2007 458 2 101.246 58.3

2007 458 3 86.825 58.9

2007 458 4 80.773 58.5

2008 214 1 59.438 57.0

2008 214 2 71.480 58.2

2008 214 3 68.235 58.4

2008 214 4 75.929 60.0

2008 247 1 83.903 58.6

2008 247 2 85.775 58.6

2008 247 3 88.012 59.8

2008 247 4 69.570 57.8

2008 275 1 91.620 57.3

2008 275 2 98.446 59.7

2008 275 3 83.903 58.0

2008 275 4 90.892 57.8

2008 458 1 84.287 52.6

2008 458 2 81.263 56.4

2008 458 3 89.332 56.0

2008 458 4 82.166 52.9

2009 214 1 55.7370 53.4

2009 214 2 48.7585 51.7

2009 214 3 45.4978 54.3

2009 214 4 50.1009 52.6

2009 247 1 49.5782 53.7

2009 247 2 50.1578 53.5

2009 247 3 46.1218 53.2

2009 247 4 53.2061 54.1

2009 275 1 62.9626 50.8

2009 275 2 66.8187 51.4

2009 275 3 62.2393 52.0

2009 275 4 66.1042 52.2

2009 458 1 65.5235 48.7

2009 458 2 59.7041 49.5

2009 458 3 60.3913 50.0

2009 458 4 58.1904 51.8