

2014 WSU Variety Testing Lentil Trial Summary, Palouse

Variety Name	Type	2014							
		4 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	Yield (Lbs/A)	100 Seed Weight (Grams)	Plant Height (In)	Canopy Height (In)	Erect Index
Pardina	<i>Pardina</i>	2160	2040	2150	1950	3.5	13	11	0.86
Morena	<i>Pardina</i>	2100	1930	1970	1920	3.7	13	10	0.77
LC09600507P	<i>Pardina</i>				1790	4.1	15	9	0.66
LC07ND055E	<i>Eston</i>		1880	2030	1760	3.4	15	13	0.91
Avondale (LC01602300R)	<i>Richlea</i>	2180	1970	2070	1730	4.8	16	12	0.78
Richlea	<i>Richlea</i>		1810	1860	1700	4.8	16	11	0.65
LC08600113P	<i>Pardina</i>	2040	1860	1920	1640	4.0	16	10	0.62
Eston	<i>Eston</i>	1870	1730	1970	1620	2.9	15	13	0.87
LC01602273E	<i>Eston</i>	2210		1980	1580	3.2	15	11	0.80
Crimson	<i>Turkish red</i>	1740	1540	1800	1540	3.0	12	9	0.77
LC01602062T	<i>Turkish red</i>	1990	1800	1930	1510	4.1	13	10	0.77
LC08600116P	<i>Pardina</i>		1640		1450	4.2	14	8	0.58
LC06601734L	<i>Laird</i>	1870	1630	1620	1320	6.6	15	10	0.67
Merrit	<i>Laird</i>	1860	1660	1750	1280	5.9	15	10	0.70
LC0860B130L	<i>Laird</i>			1660	1140	6.9	18	9	0.52
LC0860B123L	<i>Laird</i>		1400	1350	1130	7.9	16	9	0.62
NDL090413T	<i>Turkish red</i>				1090	4.0	11	10	0.91
NDL090288E	<i>Eston</i>				860	3.8	14	13	0.97
C.V. %		9	10	9	14	3.7	7	8	9.30
LSD (.10)		100	110	150	290	0.2	1	1	0.09
Average		2000	1760	1860	1500	4.5	15	10	0.75
Highest		2210	2040	2150	1950	7.9	18	13	0.97
Lowest		1740	1400	1350	860	2.9	11	8	0.52

2014 WSU Palouse Spring Lentil – Preliminary Data

1. Seed yield in the 2014 Palouse spring lentil variety trial averaged 1500 pounds/acre, 500 pounds/acre less than the four-year average at this location. The Palouse nursery was located about six miles south of Palouse, WA (Chris and Frank Fleener, cooperators).
2. This nursery was seeded on 19 April, 2014. Seed was placed at a 9 seed/sq.ft. rate (approximately 60 lb/acre for average 'Laird' seed weight) using a double-disk plot drill set on 7-inch spacing. Seeding was timely and establishment was good.
3. Yields ranged from 860 pounds/acre to 1950 pounds/acre. Yield values within the LSD range of the highest yield are shown in bold and six of the 18 entries are in this group. 'Pardina' was the highest yielding variety in this trial. Class type is listed after variety name.
4. Seed weights averaged 4.5 grams/100 seed and ranged widely, from 2.9 to 7.9 grams/100 seed, due to class seed size differences. The average plant height was 15 inches, furthermore entries varied by the erect index that averaged 0.75 indicating uprightness of the plant stems.