



Wheat Breeding & Variety Development – Harvest 2001

Jim Peterson, Mary Verhoeven, Mark Larson, Bruce Hoefer and Barb Matson. Oregon State University Department of Crop & Soil Science



Field Nursery Key:

OSU research plots are arranged into blocks by seed type and origin. Each of the numbers below corresponds to the area indicated in the field.

1. Elite Line Increase
2. Soft White YT
3. Hard White YT
4. Durum YT
5. IMI & Triticale
6. Hybritech F5/F6 Lines
7. Hybritech Inbred, Hybrids
8. Hybritech F2/F3
9. F3 and F4 Headrows
10. Durum Headrows
11. IMI headrows
12. Hybritech F4/F5 headrows



Hybritech Nurseries:

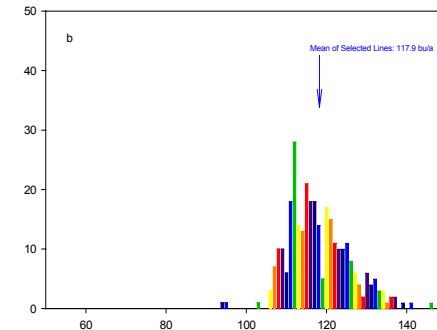
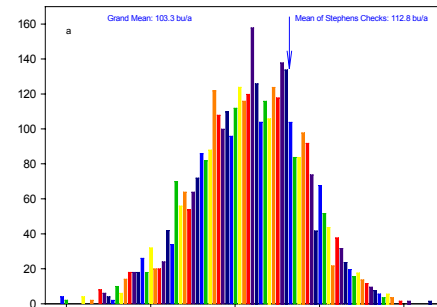
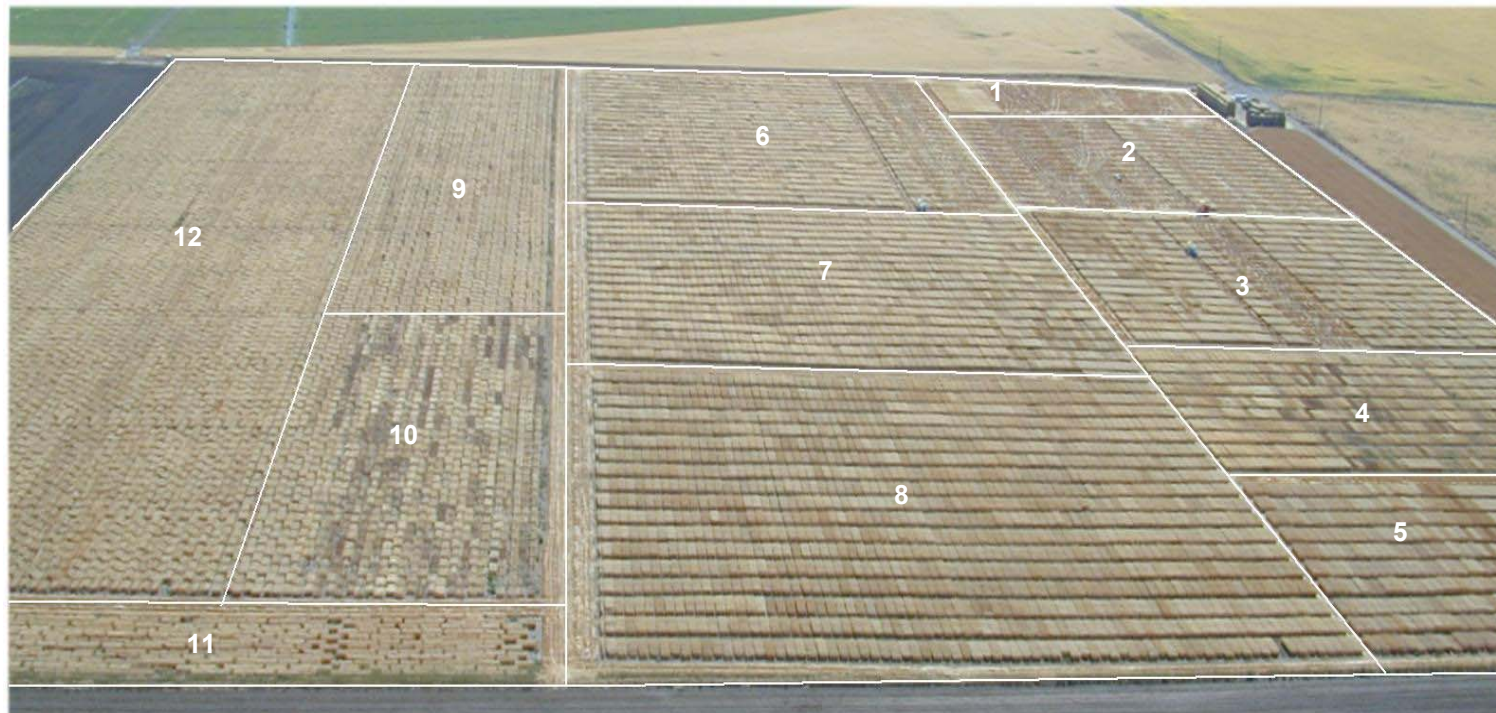
Table 1. Hybritech seed stocks provided to Oregon State University in 2001 and what became of them for 2002.

| Generation | Provided | Advanced |
|----------------|------------|------------|
| F1's | 1596 | 270 |
| F2's | 635 | 194 |
| F3's | 696 | 11,600 |
| F4-F5 | 24,800 | 738 |
| F5-F6 | 1705 | 281 |
| Inbreds | 1960 | 27 |
| Hybrids | 920 | 390 |

Figure 1. Yield Distribution of Hybritech Purelines.

Figure a. Distribution of the complete nursery as received from Monsanto (2151 lines).

Figure b. Distribution of 308 selected lines.



We would like to thank the Oregon Wheat Commission (OWC) for ongoing support and the Wheat Commissions of Washington and Idaho for special funding to manage the Hybritech breeding stocks. We also extend our gratitude to the many colleagues, cooperators, and growers around the state which make our breeding efforts possible.