

NOTES REGARDING THE 2002 CEREAL TRIALS (posted by John Burns, 9/27/02)

Listed below are notes taken at different locations for the 2002 WSU Extension Uniform Cereal Variety Testing Trials. The notes are intended to highlight significant field conditions that contributed to yields at each of the locations. In summary, the most pronounced effect on yields for both winter and spring cereals was the influence the 7-11 May 2002 spring freeze followed by an additional freeze in some areas in the early part of June 2002 followed by a 2-week heat spell in the middle of June 2002. The spring cold spell was most pronounced at the Connell, WA location where plants were nearly completely killed. Winter wheat was in the boot stage of growth, flag leaf beginning to emerge at the time of the cold period. A new race of Stripe rust appeared in mid-June 2002 and had a significant effect on the majority of spring wheat varieties. Stripe rust appeared on susceptible varieties of winter wheat but not to a great extent. Barley did not show any Stripe rust symptoms. Hessian fly infestations were severe in spring wheat at the Dayton, WA location. The infestations appeared early and Hessian fly larvae attacked plants at the crown causing considerable damage in susceptible varieties. *NOTE: THESE NOTES ARE FOR INFORMATION ONLY. FOR MORE INFORMATION CONTACT JOHN BURNS – 509-335-5831.*

LOCATION	WINTER WHEAT	SPRING WHEAT	SPRING BARLEY
Horse Heaven:	Spring Frost damage/drought, late seeded double disc - dry	OK - dry	NA
Colton	OK	NA	NA
Connell	Spring Freeze – 7-11 May 2002 – KILLED PLOT	NA	NA
St Andrews (Coulee City)	OK	NA	NA
Harrington	OK	NA	NA
Lind	OK - dry	OK	OK
Lamont	Variation in Plot Site,(Jointed goat grass)	OK	OK
Moses Lake	Followed bluegrass, heavy disease (pythium, take-all) – LOST PLOT	NA	NA
Dusty	Good, Physiologic leaf spot, Some Stripe rust	Small, no-till plot with a lot a variation in plots; spring freeze damage	Small, no-till plot with a lot a variation in plots; spring freeze damage
Pullman	OK	High Stripe rust (Race 78)	OK
Bickleton	Late seeded w/ double disc - dry	Poor, dry, no-till plot	Poor, dry, no-till plot
Dayton	OK – wild oats	Heavy Hessian fly – early infestation to crowns	OK
Mayview	OK	Some stripe rust	Poor spring growing conditions
Walla Walla	OK, some Stripe rust	Poor spring growing conditions	Poor spring growing conditions
St John	OK – some Physiologic leaf spot and Stripe rust	Some Stripe rust – wheat matured ahead of rust	OK – dry conditions
Ritzville	OK	OK - dry	OK - dry
Royal Slope	NA	OK - irrigated	OK - irrigated
Asotin	OK	NA	Short, dry, no-till plot (plot variation w/ wild oat)
Almira	OK	OK - dry	OK - dry
Fairfield	OK	Good, Stripe rust but sprayed 2 times with fungicide	OK
Farmington	Good, no-till plot, some <i>Cephalosporium</i> stripe	OK, stripe rust, sprayed with fungicide & insecticide	OK, sprayed with fungicide & insecticide
Reardan	Some <i>Cephalosporium</i> stripe	OK -Some stripe rust	OK
Creston	OK – some <i>Cephalosporium</i> stripe	NA	NA