### 2012 WSU Variety Testing SW Winter Wheat Trial, St. John

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<th>Variety Name <em>Club italicized</em></th>
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<th>2 Year Average (BU/A)</th>
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### 2012 WSU Variety Testing SW Winter Wheat Trial, St. John

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### St. John Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 St. John soft white winter wheat trial averaged 120 bushels/acre, 13 bushels/acre lower than the 5-year average yield. The St. John nursery was located about three miles east of St. John, WA (M. Mills, cooperator).

2. This nursery was seeded on 27 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base fertilizer was 90#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 96 to 145 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. `LCS Artdeco` was the highest yielding entries in the trial, and 5 of the 48 entries were within the top LSD range. The club `Cara` was the top yielding entry across five years of results at this location. Stripe rust potential was moderate at this location with an estimated yield loss in the range of 25% by more rust susceptible cultivars. St. John is the planned no fungicide location in the 16”-20” rainfall zone to allow stripe rust reaction ratings.

4. Test weights averaged 59.4 lbs./bu and ranged from 56.4 to 62.1 lbs./bu with stripe rust lowering test weight of susceptible cultivars. Grain protein averaged 10.0% and ranged from 8.9 to 12.1%. Plant height averaged 41 inches and there was no lodging.