

Results:

**Potatoes following a Mustard Green Manure Crop,
 with and without fumigant**
Freihe On-Farm Trials, 2001 - 2002

2001-2002

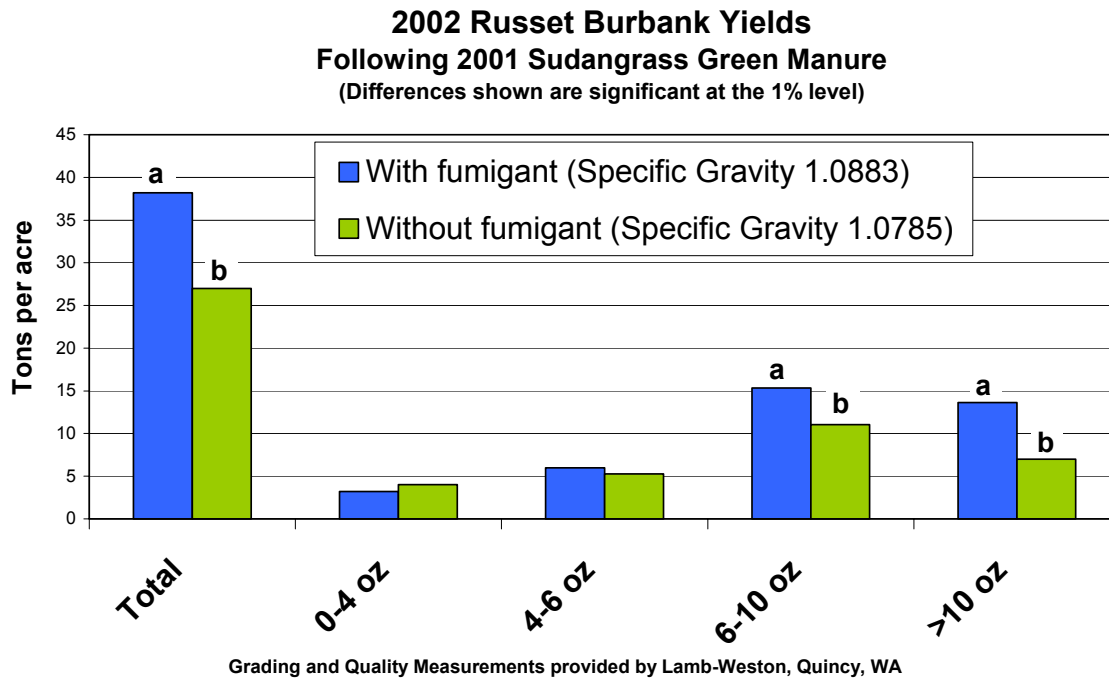
2001: White mustard, *S. alba* Martigena planted 8/24/99 and incorporated on 10/?/99
 Dry biomass yield: 2108 lb/ac
 2002: 37.5 gallons per acre of metham sodium applied in 3/27/02
 Russet Burbank potatoes planted 4/02 and harvested on 9/30/02

	Yield, tons/ac ¹	
	With Fumigant	Without fumigant
Total	34.0	34.0
Culls	3.7	3.7
4-6 oz²	5.8	6.1
6-10 oz	13.3	14.6
10-14 oz	4.8	7.1
>14 oz	6.1	2.4
Specific Gravity	1.076	1.081

¹ Total Yields are averages of five paired replications, no significant differences were found. Other measurements were based on bulked samples graded at Simplot, Moses Lake.

² tubers less than 2" in diameter were not harvested

Measurement: Russet Burbank yields after sorghum-sudangrass, with and without metam sodium fumigant.



NOTE: Green manure crop was chopped, but then left to sit on the ground for three days because of a mechanical breakdown. Suppression of potato early dying is thought to be due to the incorporation of GREEN plant material, and so the delay in incorporation here may explain the results.