beanresults

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fall HARVEST at the Orthman AGRICULTURAL nebraska Research Farm.

Lexington, NE - Orthman Headquarters

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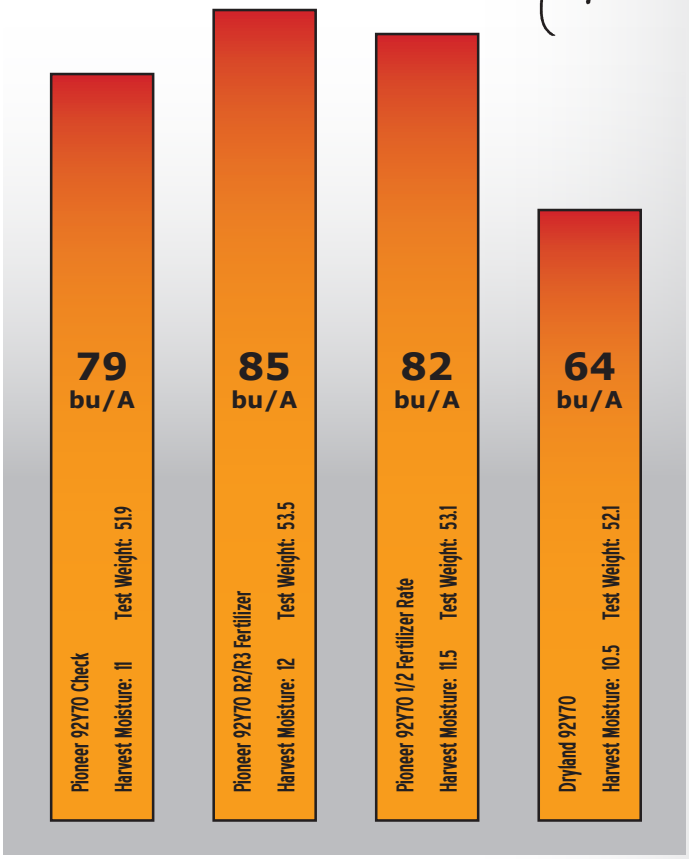
Our soybean plants exhibited considerable branching and at each node 3 to 5 pods per node. In the irrigated soybeans we counted the first week of September 76 to 124 pods per plant in the irrigated, and in the dryland 78 to 100 pods per plant. Actual weighed yield results are as follows:

Mike Petersen



South Central NE irrigated conventional soybean yield approximately 45 bu/ac with common populations of 140-160K.

Soybean test above was irrigated three times.

Soybeans, the great companion crop with corn in the Midwest and the crop that seems a challenge to reach big yields unless something wonderful happens from the sky in August is still a minor crop to farmers further west one goes in the Midwestern Corn Belt on into the Western Corn Belt. At the Orthman Research Farm we look at this crop as a smaller segment of what we need to raise in the geographic region where cattle consume every bushel of corn produced. But just the same we see raising soybean that can clear good economical rewards, return organic N to the soil profile, break weed cycles and help with insect/disease issues in corn.

The soft leather glove of "dare ya" was put before us from our seed partners Asgrow and Pioneer to touch the 100 bushel per acre mark. It is more than that, so we partnered with Kugler Fertilizer to try the agronomics of a lesser plant population, precision placed fertilizer, timed irrigations and a foliar application in mid-reproductive cycle with Nitrogen, sulfur and micronutrients to go for it.

We planted the soybeans on May 17, 2011. In the irrigated trials the planting population was 85-90K and in the dryland corner, we seeded 66-70K of a Pioneer 92Y70. All of the soybean trial areas were strip-tilled the second week of April with Kugler's KQ513 at 4gpa + 1quart/ac Humic acid + 1 pint/ac of MicroMax.

In the R2-R3 segment of flowering stages (irrigated only) we applied two rates of fertilizer products via a foliar application with Kugler's XRN – 1gal/ac, 1 pint/ac of Humic acid and ½ pint/ac of the Micro-Max in 5gpa of water as a package. The plants at first slowed down where the higher rate was applied with some leaf cupping then finished excellent. The lesser rate and control had very little to anything of negative or compromised effect to the soybeans. Final plant populations; irrigated was 72-75K/acre and the dryland was 59-64K/acre.

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