



## 2022 Soybean Yield Challenge Newsletter

### Planting Depth & Planting date:

With this beautiful stretch of weather this week, planting is off to a good start. As soybeans begin to go into the ground some decisions about planting depth and date need to be made. There are many factors to take into consideration. Planting deeper can result in issues with soil crusting, a heavy rain will compact the top of the soil and lead to emergence issues. Planting shallower than 1" decreases seed to soil contact which can affect the beans emergence.

Soybean yields at various planting depths and dates					Soybean plant stands at various planting depths (plants/ac X 1000)*			
Planting Depth	Planted April 22	Planted May 22	Planted June 10	Average bu/ac	Planting Depth	Planted April 22	Planted May 22	Planted June 10
1.0 inches	62.9	65.7	51.6	60.1	1.0 inches	132	142	165
1.5 inches	64.1	66.3	50.8	60.4	1.5 inches	134	135	159
2.0 inches	60.8	60.1	49.8	56.9	2.0 inches	122	111	153
2.5 inches	59.5	60.9	47.1	55.8	2.5 inches	95	117	130

\*No-till soybean planted in 15" rows at 175,000 seeds/ac

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According to trials done by Horst Bohner of OMAFRA, the ideal planting depth for soybeans is 1"-1.5". Bohner planted soybeans at four different depths ranging from 1"-2.5" on three different planting dates. The highest plant stands were observed at 1" and 1.5" at the early Planting date, April 22. When it comes to earlier planting dates growers like to plant earlier to avoid fluctuations in temperature as it is believed the changes can be hard on the seed. However, this practice is not ideal for soybeans. A shallower depth allows the seed to capture more heat from the sun. When looking at yields regarding planting depth and date there wasn't a significant yield gap until planting 2" or deeper. \*Exception to the rule is if soil is dry, you need to plant into moisture.

<https://www.realagriculture.com/2021/03/soybean-school-how-deep-should-you-plant/>

### Food Grade Seed Supply:

Are you still looking to buy some seed for your 2022 planting season? Here is a seed supply update from Sobelen Farms Seed Business Manager Jodie Eadie. Call the Palmerston location 519-343-3630

Strive- Excellent

Lakeview- Excellent

Malory- Excellent

Drayton- Good

Bounty- Excellent

Wallace- Good

### Seed Sizing Reminder:

Strive- 2000 seeds/lb

Kamran- 2150 seeds/lb

Lakeview- 2150 seeds/lb

Malory- 2360 seeds/lb

Bruton- 1900 seeds/lb

Wallace- 2260 seeds/lb

Drayton- 2400 seeds/lb

Bounty- 1950 seeds/lb

\*Seed sizes listed are just a guideline be sure to check your seed tag for accurate seed sizing



*Buyers from Japan meet a local Lucknow IP Soybean grower*

## Hot Topics from the May 10<sup>th</sup> Exeter/Mt. Forest Agribusiness Breakfast Meeting

### Winter Wheat

- Plant Growth Regulator timing is now on winter wheat
- Some patching of spring cereals into winter wheat occurred
- Growers still trying to get spring cereals/alfalfa planted

### Corn

- Seed continues to roll out with great conditions in Bruce, Huron and Wellington counties
- Some estimate that 30% of the corn crop is currently planted and hopefully reaching 90% by the end of this week
- We're seeing some strip tilled soils that are dry on top, gummy underneath and when planted they are crusting

### Soybeans

- Most of this focus this week is on getting corn planted
- Those currently using drills will be looking at updating to an air seeder or a planter to get more accurate seeding and to cut on seed costs
- Agronomists are hearing farmers working the fields too early and some are coming up lumpy. Extra passes are drying out the soil profile, creating concerns for moisture



## Waterhemp

- Growers with redroot pigweed should get it tested to ensure it is not waterhemp
- Once the waterhemp has been established for 2-3 years it can be present in the field for 25 years
- Once waterhemp is established it becomes tough to control
- Huron-Bruce and Haldimand-Norfolk are in the flight path of migratory birds which can bring waterhemp seeds into these regions

