



Milne-Dinsdale Seed, LLC

“There are no practice fields in farming”.

SPRINGING INTO ACTION! We’ve seen quite a bit of activity get started now that the long winter is over. Planting is right around the corner as soil temperatures begin to warm up and stabilize. This month’s newsletter will be a series of reminders as we start the 2015 season. If you have a need for more detail, please contact Troy, Travis or Erin!

SEED STAND & ESTABLISHMENT. The importance of proper seed placement and establishment to the overall performance of the crop cannot be understated. Planting the crop right the first time is the goal.

Corn should be planted at 1.5 – 2.0” & soybeans 1’ – 1.5”. NO exceptions, NO excuses. (Shallow planted corn leads to standability issues).

Even spacing is important. Generally, skips limit yield more than doubles.

Planting variability increases with speed so the proper planter speed is the one that places seed properly on both planting depth and spacing.

Set down pressure to desired seed depth-adjust as soil types and conditions change (maybe in same day).

It is important to scout fields after planting to evaluate planter performance, stand & crop establishment, and to have a watchful eye on pests as they become active.

GETTING BACK TO OUR ROOTS. The development of the crop’s root system is so important and often overlooked simply because it cannot be seen on a daily basis. Root growth issues are normally found once the crop is under some sort of stress; cool & wet, hot & dry, pest pressure or chemical or mechanical injury. A strong root system maximizes nutrient uptake for top-end yield and maintains plant integrity under stress conditions. New research suggests that a majority of nutrient uptake in the root zone happens in the top 3-12 inches of the soil profile. (Continued on next pg.)

Spacing Between Kernels (in inches)				
Planting Rate	Final Stand (7.5% loss)	20" Row	22" Row	30" Row
28,000	25,900	11.2	9.4	7.5
30,000	27,750	10.4	8.8	7.0
32,000	29,600	9.8	8.5	6.6
34,000	31,450	9.2	7.8	6.1
36,000	33,300	8.7	7.3	5.8
40,000	37,000	7.9	7.1	5.2

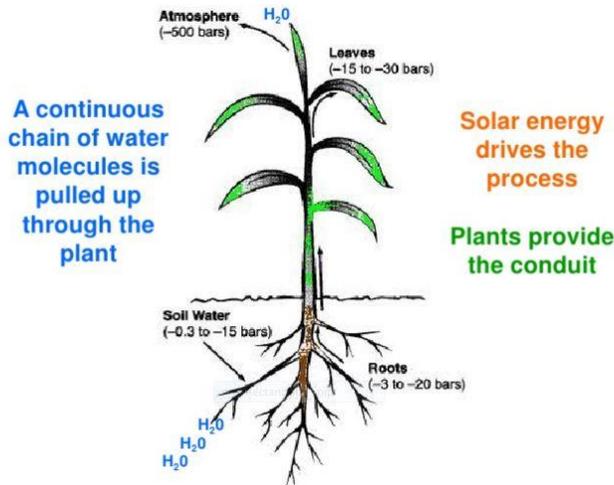
Source: University of Minnesota.

Stand Counts*	
# of plants in 1/1000th of an acre x 1,000	
Row Width (inches)	Row Length for 1/100 acre
7.5	69' 8"
15	34' 10"
20	26' 1"
22	23' 9"
30	17' 5"
36	14' 6"
38	13' 10"
Yield Goal Bu/A	Recommended Planting Rate PPA.
200+	34,501
175-200	33,084
150-175	30,379
125-150	27,223

*Circumstances vary and adjustments should be made based upon local environment. (SYN Research).

By the time corn reaches blister stage (approx. 93 days after planting) there are 38,000 miles of corn roots per acre!





A continuous chain of water molecules is pulled up through the plant

Solar energy drives the process
Plants provide the conduit

Inadequate soil moisture = reduced nutrient movement to the crop.
Waterlogged soils = no oxygen, which reduces growth, cell division & nutrient uptake.
Unhealthy roots = inefficient nutrient use
Healthy roots = efficient nutrient use for maximum yields.
HEALTHY ROOTS MAXIMIZE WHAT YOU'VE SPENT ON SOIL FERTILITY!

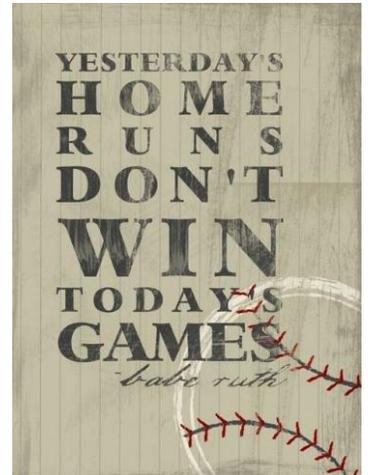
THE BEST OFFENSE IS A GOOD DEFENSE.
 Residual herbicides with first-pass burndown are a must to maximize yield and reduce weed populations in both corn and soybeans. **When the crop has to compete with weeds for water, nutrients and sunlight, it is giving up yield!**
 Residual herbicide programs allow the crop to source water, light & nutrients without interruption. Smaller weeds are easier to kill, as they translocate the active ingredients better than older, tougher weeds. Residuals also offer greater flexibility in the post application. Shoot to kill weeds before they are pop-can tall. Weeds greater than 4" may cost as much as \$3/acre/day in soybeans and 5 to 20 bushels/acre in corn.

We will offer the following soybean seed treatments this year. Contact us for more info!

Product	Target Pest	2° Pest
Clariva™ Complete Beans	SCN	SDS
ILeVO®	SDS	nematodes
Mertect® 340-F	<i>Fusarium</i> spp.	nematodes
Cruisermassx® + Vibrance™	<i>Pythium</i> , <i>Phytophthora</i> , <i>Phomopsis</i> , <i>Rhizoctonia</i> , insects	

THANK YOU AND MUCH SUCCESS IN 2015!

Thank you for choosing Milne-Dinsdale Seed, LLC, Golden Harvest® corn and NK® soybeans. It is our commitment to provide you with the best service in NW Missouri. We value your trust in our company, and we will do our best to meet your expectations. Plants at Oregon & Maryville are open and offering TruBulk® seed delivery this season to better serve you. We offer on-staff agronomic support, 100% replant (with qualified purchase), use of seed tenders (based upon availability) and high quality seed when YOU need it. At Milne-Dinsdale Seed, LLC we know, **"There are no practice fields in farming"**.



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