

# Sunflower Planting Update



# General Planter Preseason / Maintenance Checklist

- Make sure planter is level front to back and left to right parallel bars are actually parallel
- Make sure all depth of each row unit is uniform
- Check closing wheel alignment
- Check plates / brushes and singulator's for wear
- Make sure drives are all in good working order (chains, bearings and shafts)
- Make sure all seed tubes and sensor's are clean / functional





# John Deere Pro Max 40 Preseason Setup / Maintenance Checklist

- Check plates for wear and warpage make sure plates are stored vertically when not in use
- Make sure double eliminator is not worn out
- Make sure knock turns freely and is not wore out and aligned properly with plate
- Make sure door gasket (no cracks) is not wore out and seals tightly
- Check all brushes for wear
- Check Bearings in each unit to make sure unit doesn't wobble during operation / turns freely





# Case 1200 Early Riser Preseason Setup / Maintenance checklist

- Check wear on plates if the groove on the face of the plate is no longer visible the plate is shot. If you replace a plate you also will have to replace the cover they are mated parts.
- Check to make sure plate is not warped, store plates vertically when not in use.
- Check all brushes for wear
- Check singulator for wear
- Check that all bearings spin freely and the unit doesn't wobble





# Precision Planting E Set Preseason Setup / Maintenance

- Make sure plates are in good working order and also check wear strips
- Make sure bearings turn freely and do not wobble
- Check all brushes
- Make sure singulator is in good working order
- Make sure paper clip is intact and if you are running size 4 seed that you use rubber hose on
- Make sure paper clip is in up position
- Use specialty extractor
- Check butterfly drive for spring tension





# Tips for Planting Sunflower

- Keep an open mind!
- Make sure you are willing to get out and dig seeds to check placement
- Be willing to switch plates / baffle settings and eliminator settings to make planter perform at its maximum potential
- Sometimes it helps to plant opposite the way you work the field to keep seed from bridging.
- Use a lubricant! we like E Flow 80/20
- If you are having lots of multiples lower your vacuum
- If you are having lots of skips increase your vacuum
- If you have your vacuum set properly your skips and multiples should be close to equal
- Be flexible with your speed, some meters run better at high speeds
- Sometimes it helps to run your planter boxes ½ full to help flowability and reduce bridging





# Sunflower Plantability Project

- All hybrids / seed sizes and lots in the current line up tested
- All samples were run on a John Deere Pro Max 40, Case IH 1200 and a Precision Planting E set Meter
- All tests were ran at 1000 seeds unless otherwise noted
- All samples used e flow 80% talc 20% Graphite as a lubricant
- Each planter unit is on its own excel sheet hybrids are listed by the tabs on the bottom of each page
- Over 1450 Tests were done to provide us with this information!



# How to use data from this project

- Use as a guide with growers and dealers
- It is to be used as a starting point when setting up to plant sunflowers
- Keep in mind that all test were done in a controlled environment
- All planters are different no two planters / row units are exactly the same





**Thank You**

