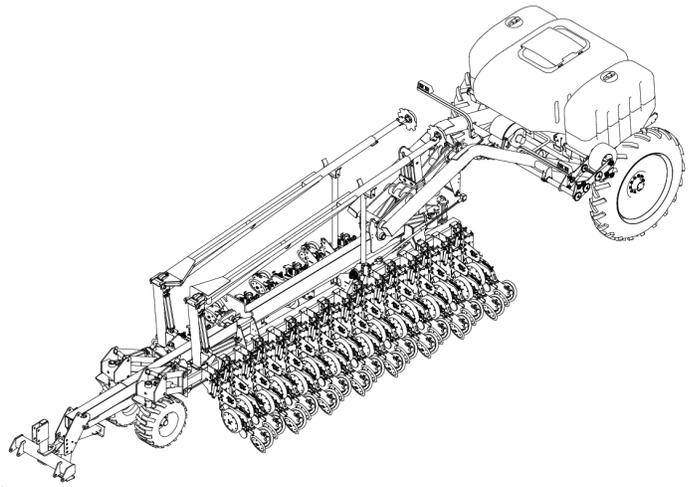


# FIELD ADJUSTMENTS

## YIELD-PRO PLANTER

**1225 & 1625**



### ADJUSTMENTS BEFORE GOING TO THE FIELD

Note: 12 and 16 Row Planters use the same adjustments unless otherwise noted.

#### General Maintenance:

- 1). Refer to the operator's manual for proper lubrication intervals and maintenance schedules.
- 2). Inspect the tire pressure of all tires.

Tire Pressure		
Position	Equipment	Pressure
14.9 x 46 Transport	82 Bu. Hopper	30 PSI
14.9 x 46 Transport	82 Bu. Hopper & Fertilizer	60 PSI
14.9 x 46 Transport	150 Bu. Hopper	60 PSI
395/55 16.5 End Transport	All	60 PSI
Contact Tire	Contact Drive	16 PSI

NOTE: The pressure of the contact drive wheel is especially important, as deviating from the proper setting will affect the seeding rate.

- 3). Inspect all drive chains for tension and free movement. Improperly adjusted or stiff chains can climb or bind on the drive sprockets and cause erratic seed spacing.

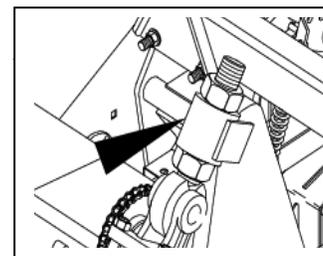
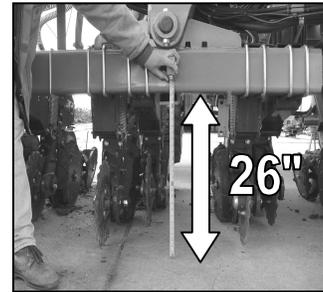
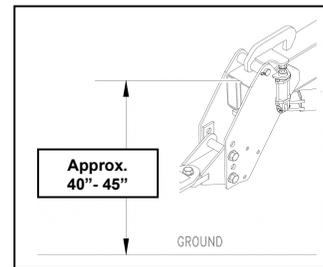
#### General Information:

- 1). Be certain that all 3-point hitch latches are properly fastened and that all safety lighting is properly installed and functioning correctly.
- 2). Hook up hydraulic hoses. Yield-Pro planters require 3 tractor outlets if they are contact drive, and 4 if equipped with a hydraulic drive.

Hydraulic Hookup			
Outlet	System	Flow (gal./min.)	Timer
1	Lift	12	Full lift less ½ sec.
2	Marker / Fold	6	Full Cycle
3	Fan	Adjust for 3500 RPM	Continuous
Motor Return	Fan – Motor Return	Continuous 0-15 GPM	N/A
Case Drain	Fan – Motor Case Drain	Continuous 0-3 GPM	N/A
4	Hydraulic Drive	12 Gal.	Continuous

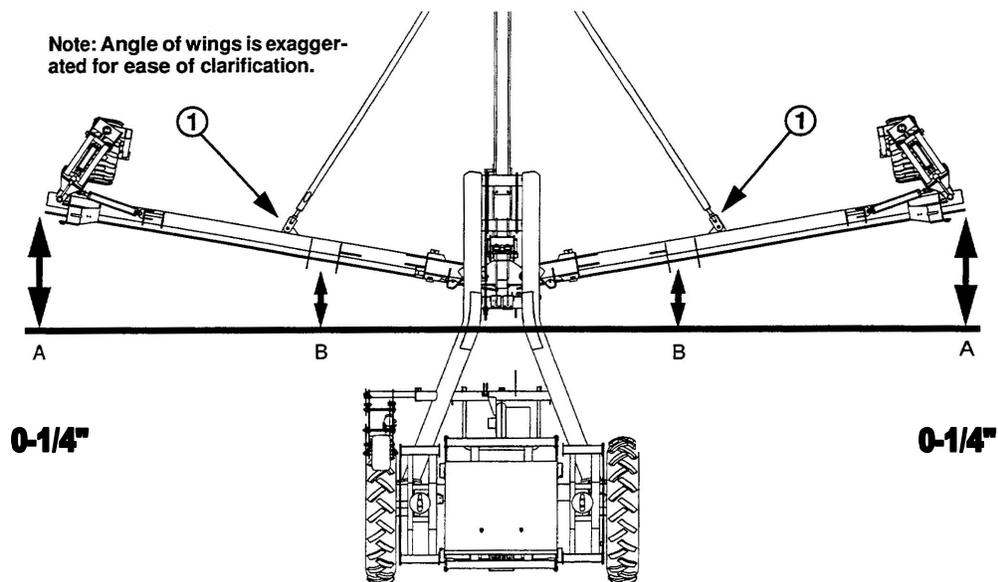
### Initial Planter Leveling:

- 1). Unfold the planter and pull forward so front gauge wheels are in planting position.
- 2). Lower the tractor's 3-Point so the top of the tongue is between 40" and 45" as a starting point. This adjustment affects the toolbar height and must be fine tuned to achieve a toolbar height (at the pivots) of 26". **This height should only be checked at the pivots!**
- 3). If these adjustments are made on a hard surface, the opener parallel arms will be above parallel. When toolbar height is correct and the planter is in the field in planting conditions, the parallel arms should be level to 1" lower in the back.
- 4). Once the frame height at the pivots is 26", set 3-point down stop so you can reference this setting when moving from field to field.
- 5). Measure the toolbars at the end of the wings, if not 26" from adjust eyebolts accordingly.



**Note: Eye-bolt adjustments are easier if the planter is first lowered to the ground to remove some of the force on the cylinder.**

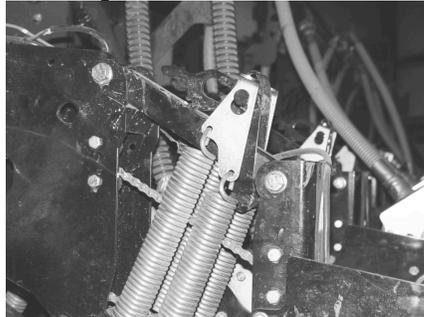
- 6). At this point the planter should be level front-to-rear and side-to-side. With the planter unfolded and lowered in the field position, place a block ahead of the wing gauge wheels and pull ahead slightly to tension the pull bars. The ends of the toolbar should be 0" to 1/4" forward of the center.



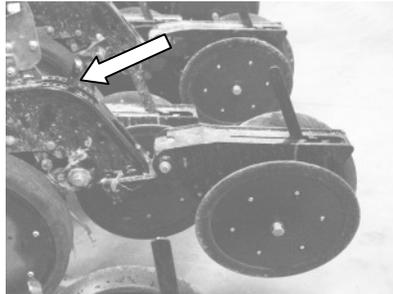
**NOTE: Be very cautious when leveling this unit.** Improper tongue height has a large affect on the end-to-end levelness of the planter. If these settings were done before going to the field, recheck the 26" dimension at the toolbar pivots and reset tractor 3-pt to achieve the 26" dimension.

Initial Planter Setting:

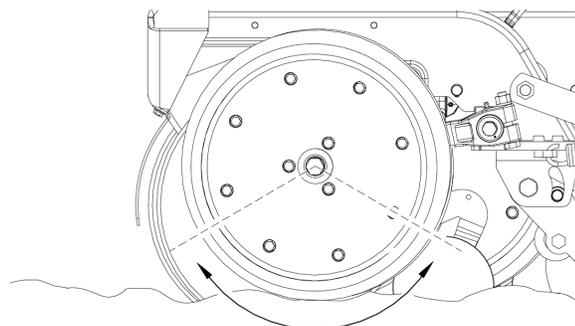
- 1). Adjust the unit mount coulters ¼” above (shallower) than the opener discs.
- 2). Adjust the row cleaners as outlined in the operator’s manual.
- 3). Adjust the opener down pressure to the correct initial setting. (A wrench is provided to make this adjustment and is stored under the walk board, or an 1½” wrench can also be used.)
  - a). Standard planter with no unit mount attachments planting into conventional tillage: 1<sup>st</sup> notch – lightest setting.
  - b). Standard planter with row cleaners in conventional to minimum tillage: 2<sup>nd</sup> notch from lightest setting.
  - c). Standard planter equipped with a unit mount coultter planting in no-till conditions: 2<sup>nd</sup> notch from lightest setting.
  - d). Planter with frame mounted coulters or row cleaners in conventional to minimum tillage. 1<sup>st</sup> notch – lightest setting.



- 4). Set the opener depth so that 7 holes are showing above the T-handles – this is approximately 1 ¾” of seed depth.



- 5). Raise the side depth arm. If adjusted correctly, it should touch the disc blade between 5 and 7 o’clock position, but drop fully when released. (Proper adjustment instructions are outlined in the operator’s manual.)



- 6). Place the closing wheel pressure handle in the lightest setting, the first position from front.
- 7). If you have a twin row planter and you wish to time the meters so all plants are staggered, this can be accomplished by setting the meter drive sprockets to match the chart found in the “seed rate charts” book or the Operators Manual.

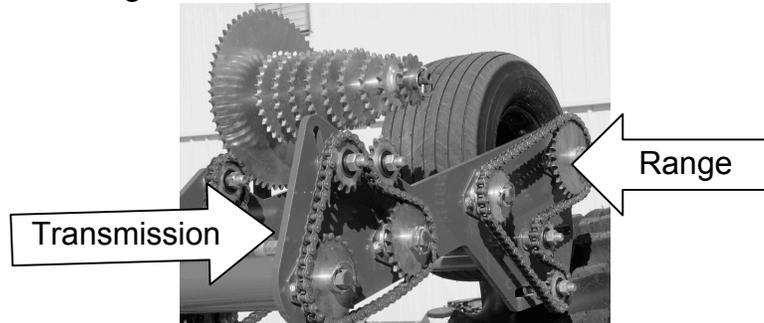
NOTE: These are initial settings and may be adjusted as needed.

CAUTION: Always start at the lowest possible opener down pressure spring setting.

This is important because as the pressure is increased, it can have a negative impact on the overall flexibility of the planter. Do not use any setting that appears to raise the toolbar.

Initial Metering System Setting:

- 1). Fan starting range: 3,800 R.P.M.
- 2). Finger pick-up brush setting: Refer to the corn size chart in operator's manual for the proper adjustment. 1 (loose) large flats; 5 (tight) popcorn.
- 3). Singulator Plus meter: Refer to the seed size chart and install the correct meter wheel.
- 4). Setting the seed rate:
  - a). For contact drive equipped units, refer to the operator's manual and select the correct range and transmission settings.



- b). For hydraulic drive equipped units, set the Intellig monitor "Planter Control" to the correct population.
- 5). Refer to the operator's manual and select the correct fertilizer rate.  
NOTE: An adjustment in the seeding rate will also affect the fertilizer rate on 2006 and older units.
- 6). Place an orifice in each wet boom manifold opening that is being used. The acceptable manifold operating pressure range is 15 to 60 P.S.I. The preferred manifold operating pressure range is 15 to 40 P.S.I. This range of pressures insures even fertilizer distribution, with out causing fertilizer splash. Orifice size affects manifold pressure, but will not affect gallons per acre!  
NOTE: Increasing or decreasing the number of rows used will affect the manifold pressure.
- 7). Set the marker length. Measure the distance from the end of the inner marker adjustment tube to the end of the outer adjustment tube.

Marker Length	
15" rows	10 ½"
20" rows	25 ½"
30" and twin	25 ½"

**NOTE: If a twin row planter is used on 30" single row spacing, the right and left markers will be different lengths. Follow the procedure outlined in the Operators Manual to properly set the markers.**

Seed Monitor

Your Yield-Pro planter is equipped with a Dickey-john Intellig monitor. Dickey-john has provided an Operators Manual for the monitor. Great Plains has set up the Intellig at the factory, however, we would suggest you use the "Quick Start Guide" to check that the factory set up parameters meet your needs.

## FIELD ADJUSTMENTS & GENERAL OPERATING INSTRUCTIONS

- 1). Unfold the planter as outlined in the operator's manual.
- 2). Fill the seed and fertilizer tanks ½ full.
- 3). If some of the openers are to be locked-up in the storage position, do so now.

NOTE: Front rows only.

- 4). Turn off the air flow to the unused meters.  
(Do Not remove the meters, but Do disengage the clutch.)
- 5). Turn off the fertilizer to the unused rows.  
(Remember to re-check the manifold pressure, as it will change.)
- 6). Lower the planter and 3-point hitch to the field position.
- 7). Tie up one row of closing wheels to inspect the actual depth of the seed.
- 8). Pull ahead at field speed to inspect:
  - a). The levelness of the toolbars (side-to-side).
  - b). Levelness of the parallel opener links.
  - c). Depth of seed.
  - d). Spacing of seed.
  - e). Side to side alignment of all of the closing wheels.
  - f). Closing wheel spacing:
    - They can be adjusted in or out by moving the spacers.
    - If plugging between the closing wheels occurs, the closing wheels can also be staggered.
  - g). Closing wheel pressure
  - h). Starter fertilizer manifold P.S.I. (Must be over 15 psi and less than 60 psi.)
  - i). Seed distribution to the meters.
  - j). Measure the length of the marker and adjust if needed.
    - The angle of the marker can be increased to make the marker more aggressive.
    - Always pull the dirt in toward the planter, never push the dirt away.
  - k). Inspect monitor pre-sets to insure that the monitor is set correctly.
  - l). Inspect hydraulic drive settings to insure that the drive is adjusted correctly.

## SEED AND THE USE OF INOCULANTS AND TREATMENTS

### Precision Planting Finger-Pickup Meters:

- 1). Use only approved graphite powder available from Great Plains (EZ-Slide) 821-042C to ensure proper lubrication of finger-pickup meters.
  - 2). Recommended usage:
    - a). For finger-pickup meters, add one tablespoon of graphite for each unit of seed corn (80,000 kernels).
    - b). In high humidity conditions or if you are using seed box seed treatments, or seed corn treated with any insecticides or polymers (Poncho, Prescribe, Cruiser, etc.), add one tablespoon of graphite for each unit of seed corn (80,000 kernels).
- Note:** If delivery of seed from the hopper to the finger meter is an issue, add Ezee Glide Plus at a rate of 1 cup per 4 units (320,000 kernels) or adjust amount until delivery issues are solved.

### Great Plains Singulator plus Precision Meters:

- 1). Talc/Graphite lubricant is mandatory for all seeds, especially treated or inoculated seed.  
Recommended usage:
  - a) For clean seeds, sprinkle one cup of Great Plains Ezee Glide Plus per 4 bushels of seed.
  - b) Adjust this rate as necessary so all seeds become coated while avoiding an accumulation of lubricant in the bottom of the hopper.
- 2). For Milo Planting Only: Mix 1 cup of Ezee Glide Plus per 2 units/bushels of seed. Adjust this rate as necessary so all seeds become coated while avoiding an accumulation of lubricant in the bottom of the seed hopper.  
Great Plains Ezee Glide Plus #: 5 Gallon 821-069C  
Great Plains Graphite #: 1 Pound 821-042C, (5 pound 821-060C)

**NOTE:** For the first use, it is advisable to thoroughly mix approximately 5 gallons or a unit of seed with a high rate (2-3x) of the appropriate lubricant (Graphite for corn; Ezee Glide Plus for beans) and place in the air box prior to loading the hopper or probox.