

Putting Your No-Till Planter In Position To Plant Seeds Of Success

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Binkley & Hurst LP
January 15, 2014





**22nd Annual
National
No-Tillage
Conference**

Springfield, Ill. • Jan. 15-18, 2014
An Honest No-Till Education





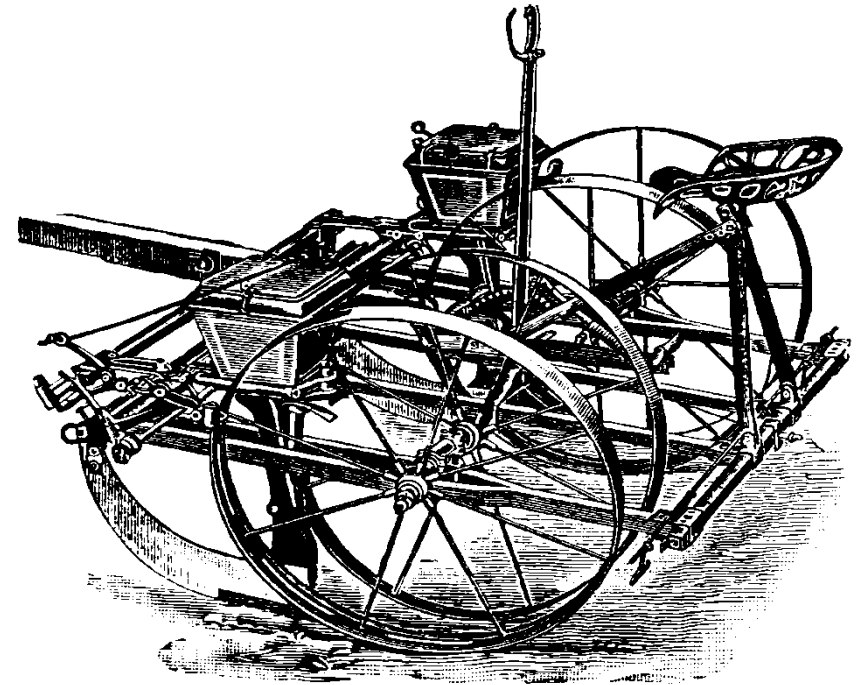
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Caring for Corn Planters

- To ensure good work and accurate planting, corn planters must be well oiled and all parts must be firmly in position. Parts must be replaced when badly worn or the efficiency of the planter is impaired.



Goals to Accomplish

- EVEN SEED DEPTH
- GOOD SEED TO SOIL CONTACT
- PROPER CLOSING OF SEED TRENCH
- GOOD WEED CONTROL



PEAK PERFORMANCE

- PROPER MAINTENANCE OF PLANTER
- CHOOSING THE PROPER ATTACHMENTS
- ADJUSTMENT OF PLANTER IN FIELD



FACTORS AFFECTING SEED SPACING

- HITCH HEIGHT (PLANTER LEVEL)
- PLANTING SPEED
- ROW UNIT BOUNCE
- DRIVE TRAIN



FACTORS AFFECTING SEED SPACING

- SEED METERS
- TIRE PRESSURE & SLIPPAGE
- TRANSMISSION SETTINGS
- WORN OR DIRTY SEED TUBES
- ATTACHMENTS



FACTORS AFFECTING SEED DEPTH

- HITCH HEIGHT (PLANTER LEVEL)
- TILLAGE PRACTICE & RESIDUE
- PLANTING SPEED
- ROW UNIT BOUNCE



FACTORS AFFECTING SEED DEPTH

- PLANTER ATTACHMENTS
- WORN ROW UNIT COMPONENTS
- INCORRECT DEPTH SETTING



FACTORS AFFECTING SEED TO SOIL CONTACT

- HITCH HEIGHT (PLANTER LEVEL)
- PLANTING CONDITIONS
- CLOSING WHEEL ALIGNMENT



FACTORS AFFECTING SEED TO SOIL CONTACT

- CLOSING WHEEL PRESSURE
- GAUGE WHEEL ADJUSTMENT
- ATTACHMENTS



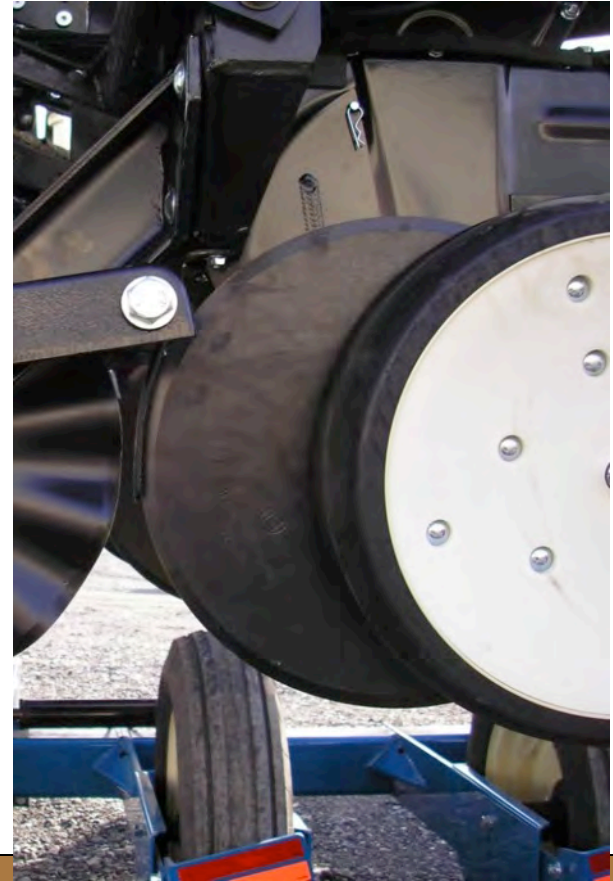
PARALLEL ARMS



DOWN PRESSURE



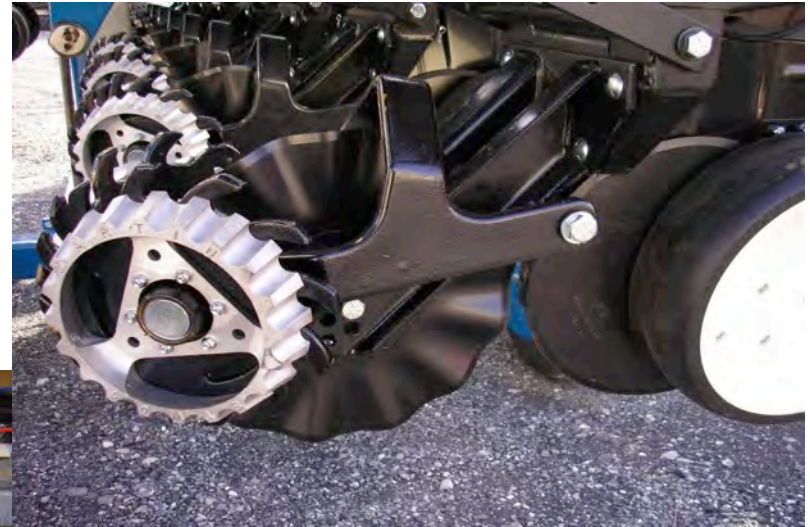
GAUGE WHEELS



GAUGE WHEELS



COULTERS



SEED TUBE GUARDS



SEED TUBES



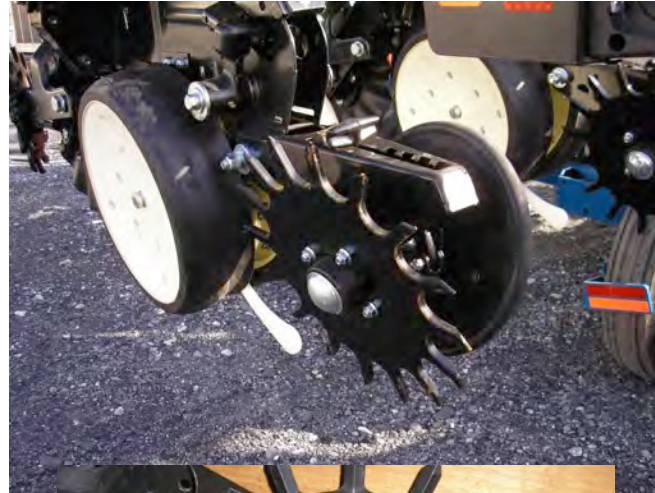
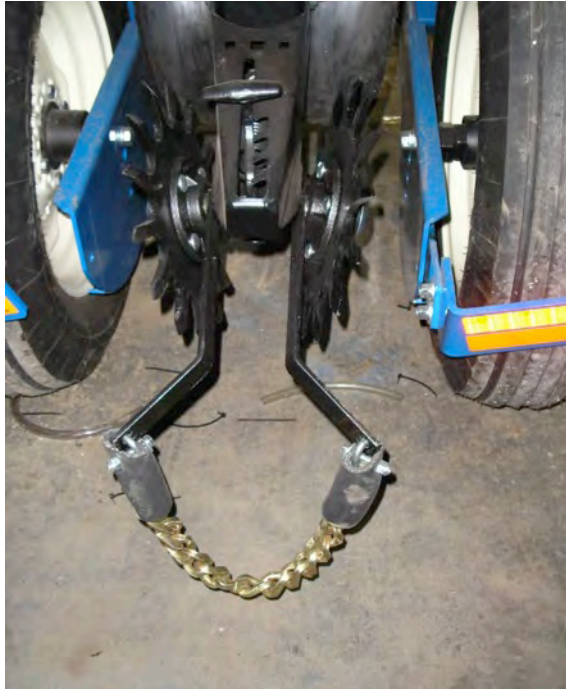
OPENER BLADES



CLOSING WHEELS



CLOSING WHEEL OPTIONS



Closing Wheel Options



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DRAG CHAINS



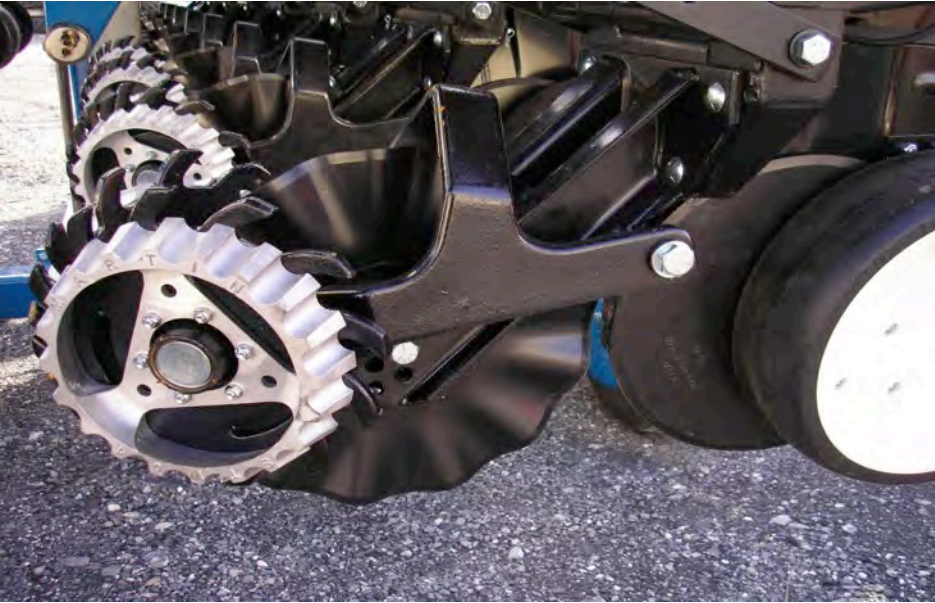
SPIKE CLOSING



Roots In Glazed Sidewall



SWEEPS



SWEEP PERFORMANCE



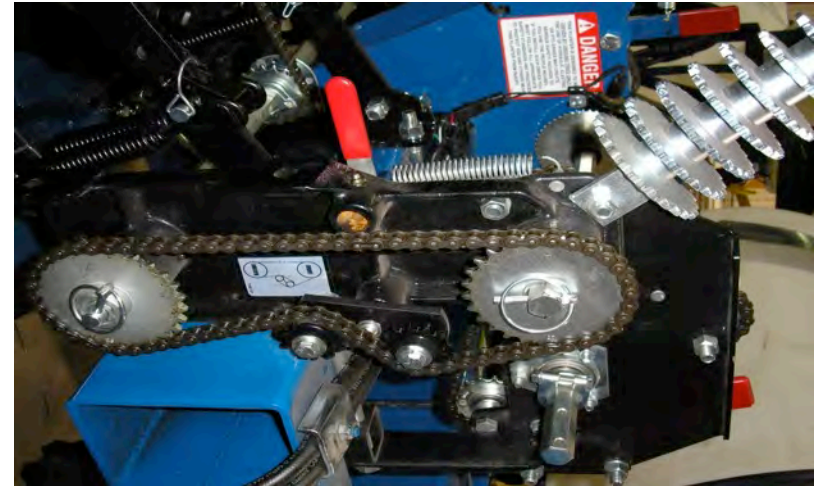
EVEN STAND

The logo for the 22nd Annual National No-Tillage Conference. It features a stylized sun or flower icon on the left. To the right, the text reads "22nd Annual National No-Tillage Conference" in green and black. Below this, it says "Springfield, Ill. • Jan. 15-18, 2014" and "An Honest No-Till Education" in black.

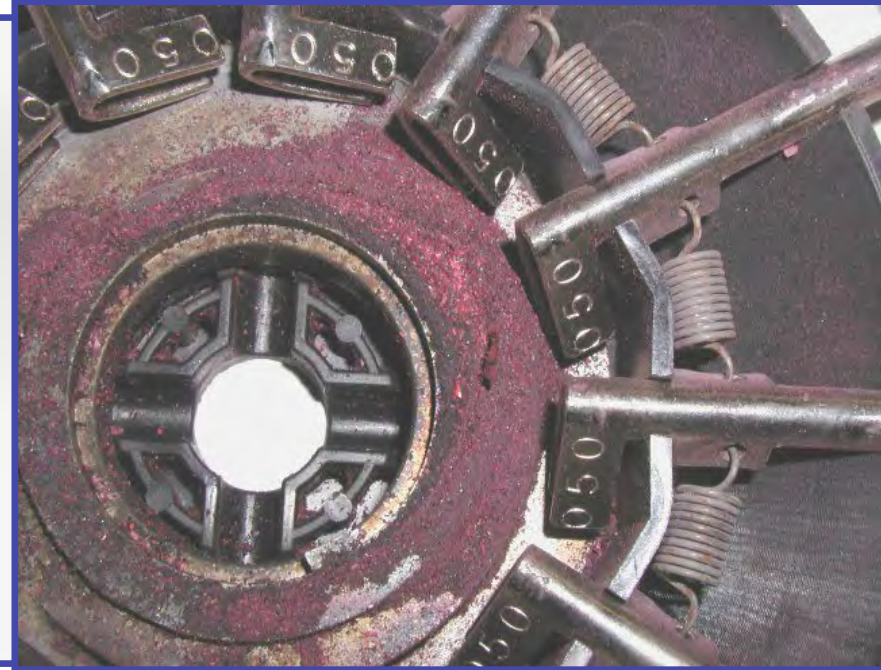
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DRIVE TRAIN



METER MANTANCE



Brush Seed Meter



- Performance
Affected By:
- Worn disc and/or brushes
- Incorrect disc for seed size
- Lack of proper lubrication
- Seed treatments



MAINTENANCE TIPS



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Hitch Adjustment



- Adjust hitch height so the tongue runs parallel to the ground in planting position
- Parallel arms should be approximately level when toolbar is 20-22” from the planting surface.



CHECK PLANTER IN FIELD





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This Is What We Expect !



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