

June 2006

6140 WINDROWER

Product Information

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Key Product Features



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Machine Concept



- Digger Nose – recoils on impact to prevent damage from hard objects (e.g.. rocks)
- An unobstructed view into the machine from the cab of the tractor
- Adjustable secondary chain
- The drive system uses the same slip clutch for the primary and secondary chains (this allows the primary and secondary chains stop simultaneously in order to prevent plugging of the secondary and the rear cross)
- Adjustable rear cross
- A hydraulically adjustable rear cross tip down (which uses an electric actuator which is controlled from the control box)

Advantages of the Pulled Nose

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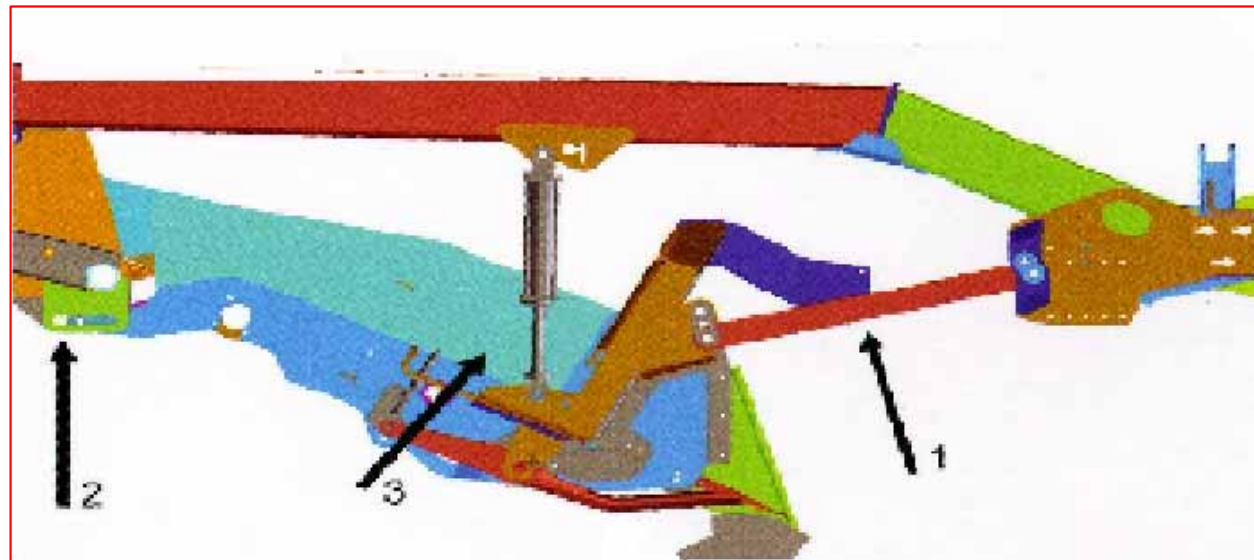
- Provides an effective rock protection by recoiling on impact.
- Soil separation improvement of 20% (over pushed digger nose)
- Digger blades and primary chains are running in line
 - which makes for a smooth flow into the machine
 - which minimizes bruising
 - which reduces fuel consumption





How the Pulled Nose Works

- In working conditions, if the operator happens to hit a hard object (e.g.rock) the digger nose will swing up and back
- The pivoting pull arm (1) allows the nose to swing upwards, whereas the digger pivot point (2) can move back in a slotted hole. This allows the whole front end to float over hard and destructive objects, like rocks, in order to prevent serious damage to the machine.
- The depth cylinder (3) features a pressure relief valve that sets the blade automatically back to your original digging depth.



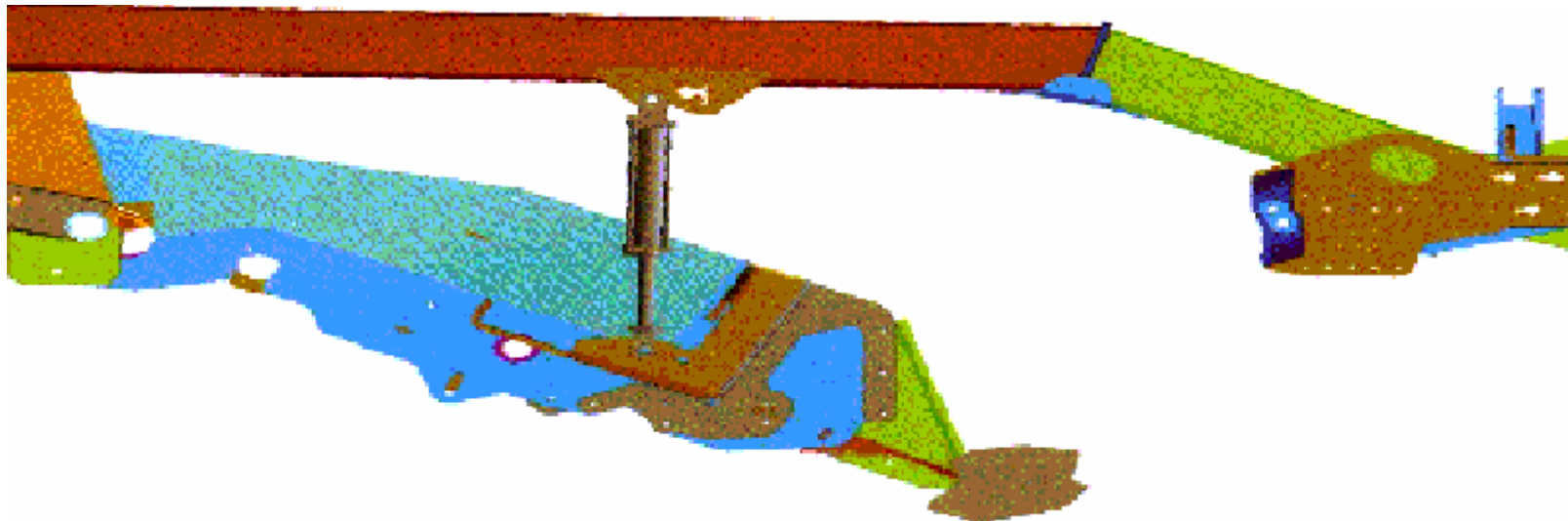


Pushed Digger Nose

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- The style of digger nose the competition uses
 - the digger nose is not able to float over hard objects (e. g. rocks). Instead it digs into these objects, which could cause damage to the machine



Unobstructed view



- Operator is able to see almost entire crop flow (from the blade to the discharge) from the cab of the tractor
- No frame tubes or hydraulic banks are in the way



Digger Blade Options



- Sand Point



- Rock Point



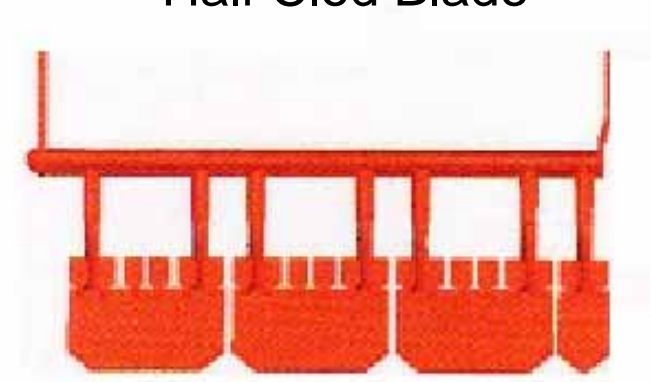
- Dog Tongue



- Clod Blade



- Half Clod Blade



- Easy Pull Blade

Gage Wheel Option



- works as a depth gauge for the digger nose
- simple and quick adjustment to set the gage wheels



Coulter Options



- Straight Blade Coulter



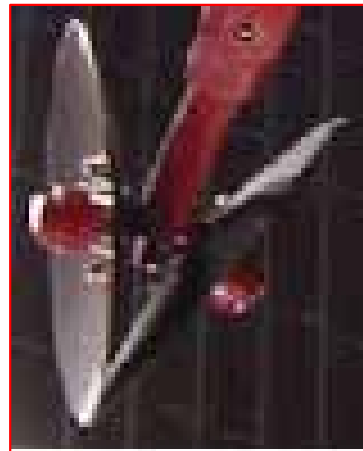
- Wavy Blade Coulter



- Notched Blade Coulter



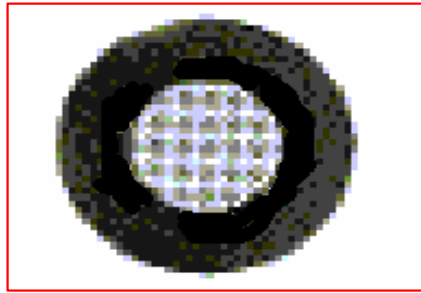
- "V" Style Coulter



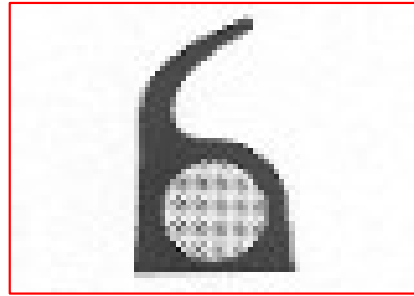
Available Rod Coverings



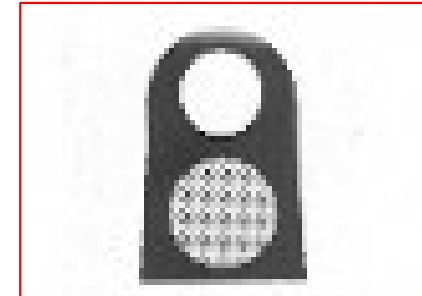
- Cushion



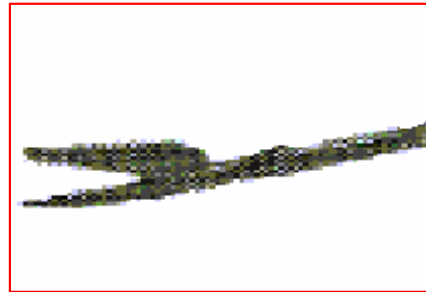
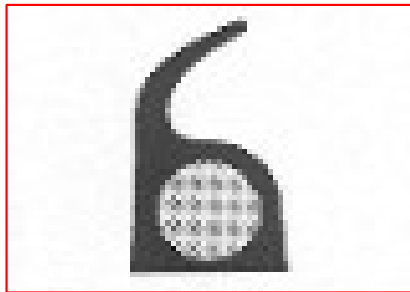
- C-Flex



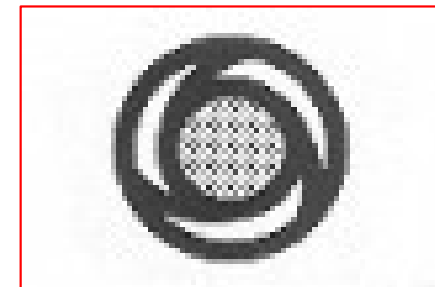
- Air Cushion



- C-Flex with Ears



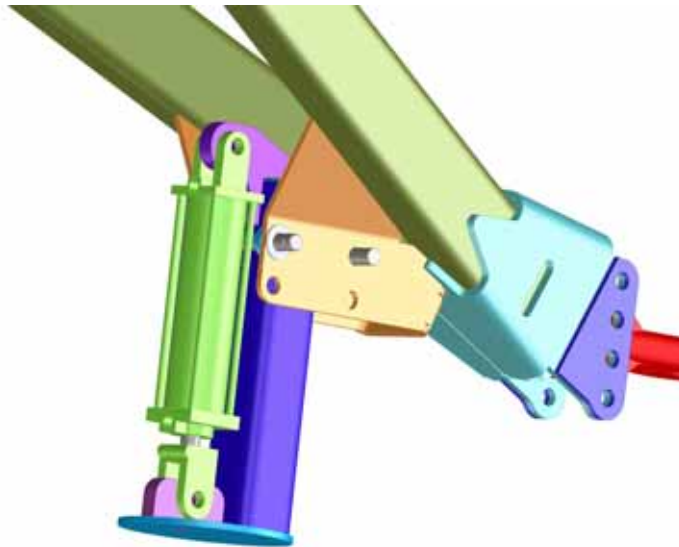
- Pillow



Jack Option



Standard mechanical jack



Optional hydraulic jack

Connected to the tractor valve.

Auto Return to Center Option

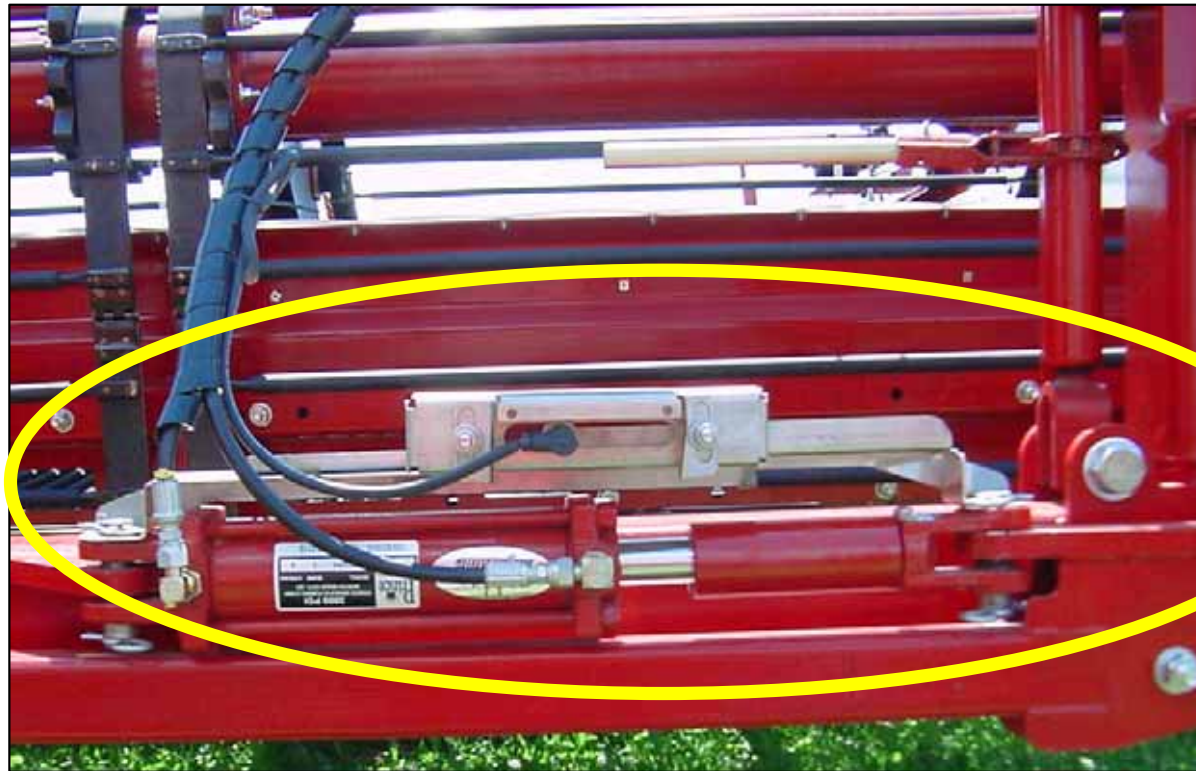
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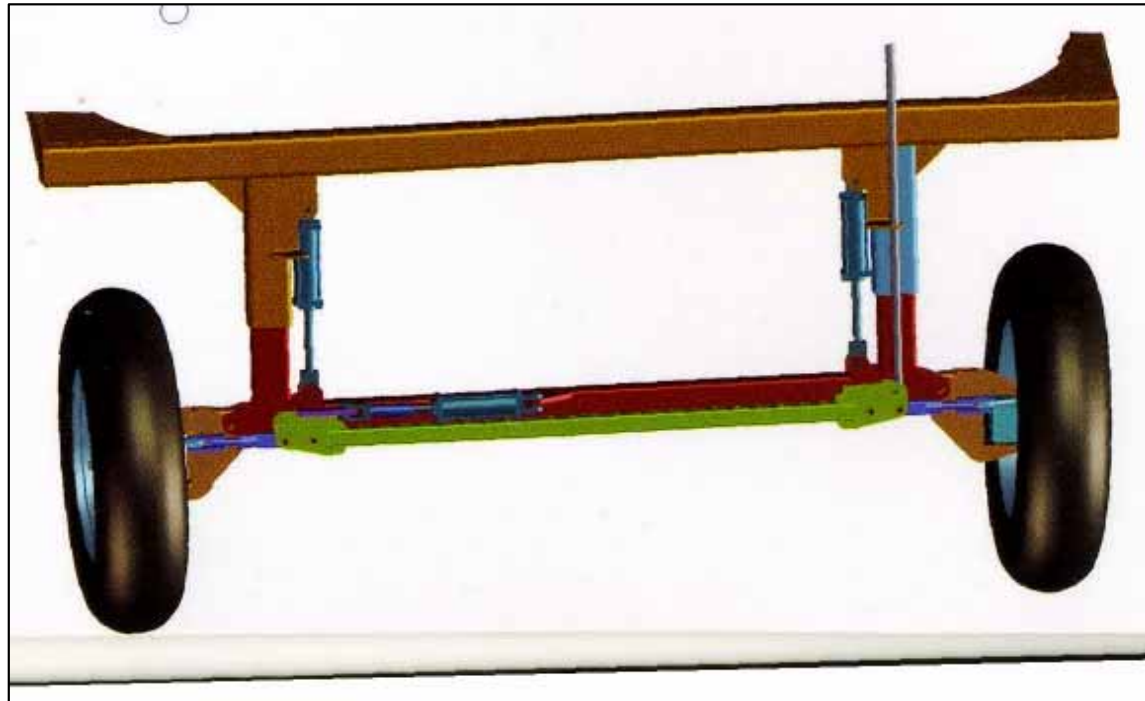
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- the wheels move to the straight-ahead position at the single push of a button (which reduces strain on the driver)



Leveling Options

- the operator can lift the rear end of the machine up to 9 " which increase separation in really tough digging conditions
- Option to have side leveling like the harvester
- allows the operator to keep the digging blades at the proper digging depth on side hills



Shaker Options



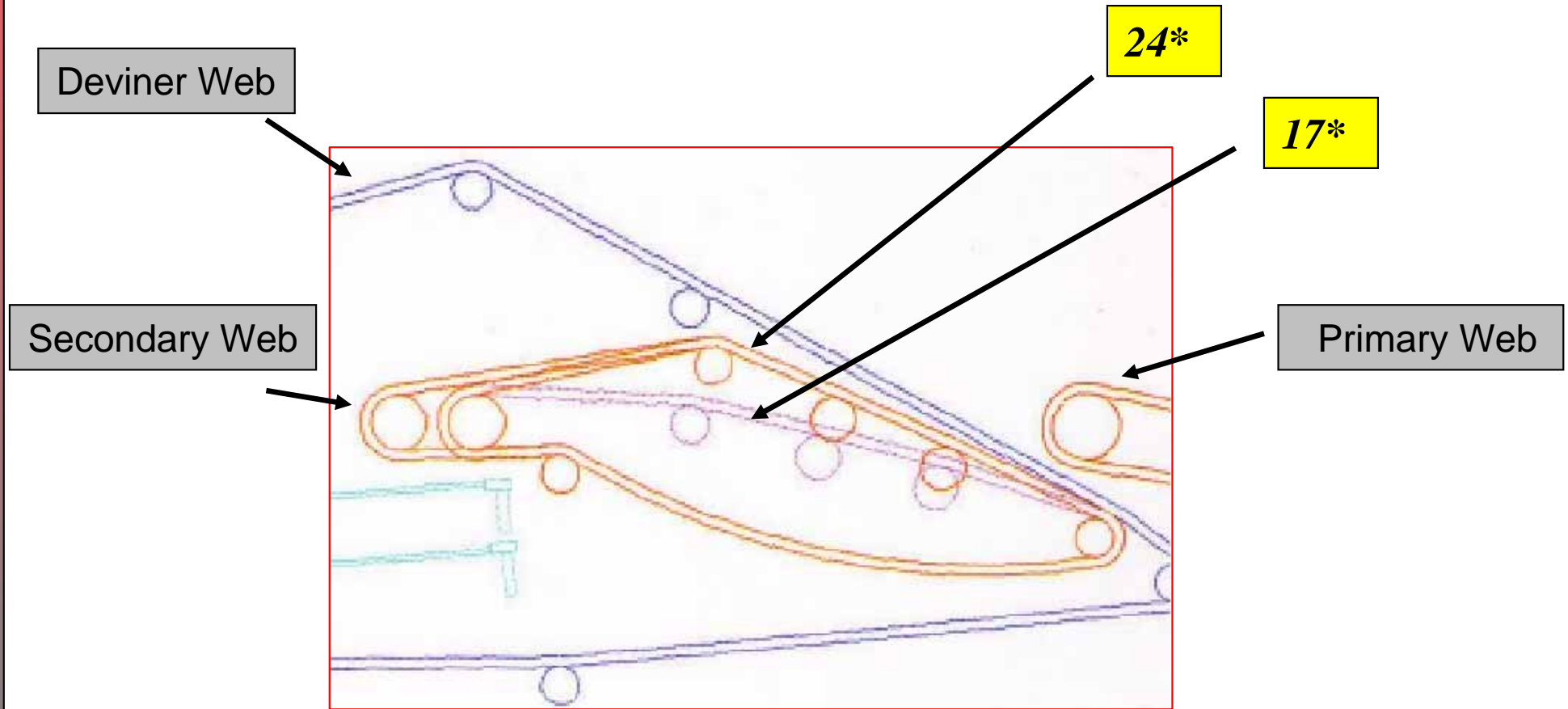
- Shaker Options:
 - Mechanical Shaker Cast or Urethane with mechanical or hydraulic adjustment (1)
 - Hydraulic shaker (2)
 - rotary agitator (4 rollers)
 - Hydraulic rocker shaker (for increased sieving) (3)
 - variable speed setting for the control box
 - ideal different operating conditions



Adjustable secondary chain



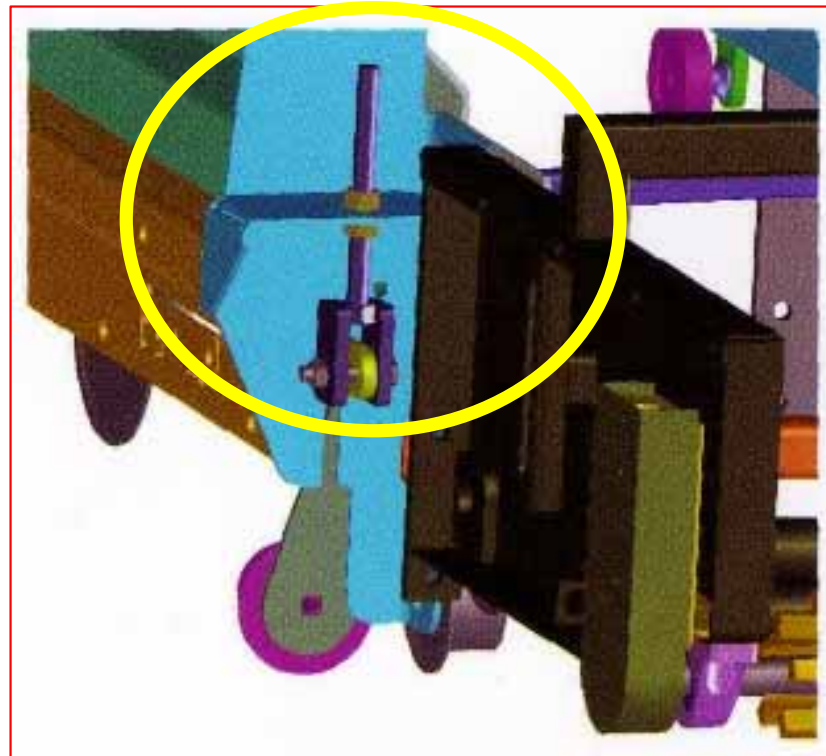
- Choice of two adjustments depending on the soil conditions
 - 17 degree angle for light soil conditions
 - 24 degree angle in heavy soil conditions



Adjustable angle for the rear cross



- Standard feature
- Able to adjust the angle of the rear cross (up and down) depending on the yields and the field conditions



Snap Roller Option



- the roller help knock off the tubers from the haulm (if still attached) while the haulm is traveling on the deviner web
- adjustment can be made to set the amount pressure onto the deviner web



Stripper Kit Option



- the paddles help knock off the tubers from the haulm (if still attached) while the haulm is traveling on the deviner web
- very gentle on the potato
- allows large stones to pass through
- paddles can be adjusted to increase or decrease tension
- paddles can be flipped upwards not to interfere crop flow



Diablo Roller Option



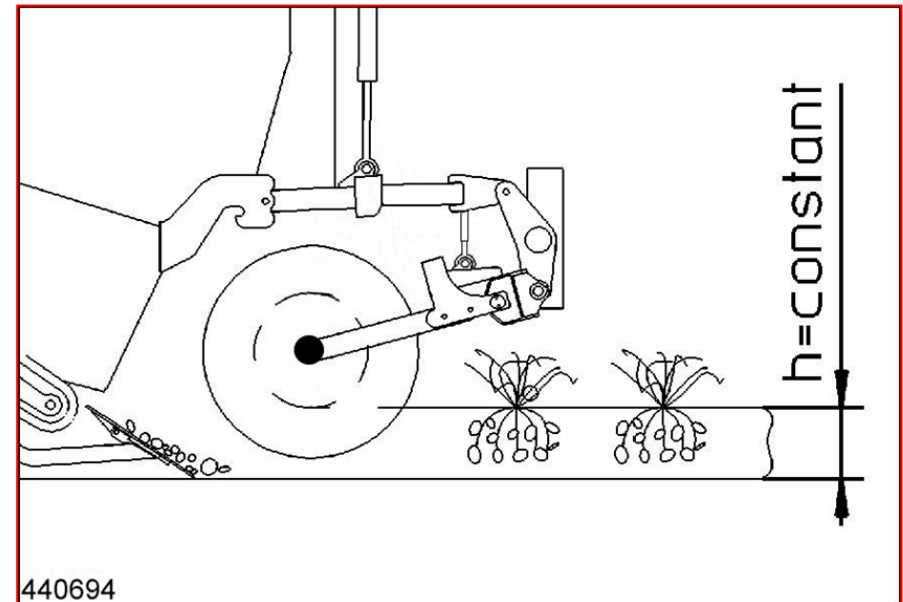
- the easy pull blades (Grimme style share frame) option is required

- option comes with full diablo rollers



Purpose:

- keeps a consistent digging depth (#1) the operator doesn't have to contently be changing the digging depth, adjustment is made via spindle
- helps break up clods
- helps compact the light soil (sand) to ensure enough soil is carried in the primary web
- makes for a steady flow into the machine



Available Options #1



- Hitch option
 - center pull hitch
 - offset pull hitch (left or right side)
- PTO yoke option
 - 1-3/4" x 20 spline twist lock
 - 1-3/8" x 21 spline twist lock
- Tire option (standard tire - 11.25 – 24)
 - large tires (11.25 - 28) for increased separation
- Digger nose style option
 - wide pull digger nose (for 36"-38" row spacing)
 - narrow pull digger nose (for 32"-34" row spacing)
- Row spacing option
 - 32 "
 - 34 "
 - 36 "
 - 38 "

Available Options #2



- Nose blades option
 - dog tongue
 - sand point
 - rock point
 - clod blade
 - half clod blade
 - easy pull blade
 - easy pull full width blade
 - single row pickup blade

- Primary chain option
 - 2 web primary
 - 4 web primary
 - straight rods
 - 2 down and 1 straight
 - 42mm
 - 45mm
 - 50mm
 - 56mm pitches

Available Options #3



- Nose roller option
 - under chain belt
 - under chain rod
- Secondary chain option
 - for 42mm, 45mm, 50mm and 56mm pitches
 - cushion
 - c-flex
 - c-flex w/ears
 - pillow
 - air cushion
- Rear cross discharge side option
 - right or left hand discharge (dual discharge to both sides available)
 - long or short discharge (windrow to the side or in the center)
- Rear cross discharge option
 - standard discharge
 - extended discharge (extra row over)

Available Options #4



- Rear cross chain option
 - standard discharge or extended discharge
 - 42mm or 45mm or 50mm or 56mm pitch
 - cushion or c-flex or c-flex with ears or air or pillow
- Vine chain option (pitch)
 - 150mm
 - 180mm
- Shaker option
 - mechanical shaker cast or urethane with mechanical adjustment (turnbuckle)
 - mechanical shaker cast or urethane with hydraulic adjustment
 - hydraulic shaker (4 rollers)
 - hydraulic rocker shaker (2 rollers)
- Chopper with drive on one side option

Available Options #5



- Coulter style option
 - wavy blade coulter
 - straight blade coulter
 - notched blade coulter
 - 'v' style coulter (wide and narrow)
- Center filler blades attachment
 - sand point center filler blade
 - dog tongue center filler blade
- Third coulter attachment option
 - regular or extended
- Steering attachment option (auto return to center steering)

Available Options #6



- Stripper attachment option
 - Stripper kit
 - Snapper roll
- Gage wheel attachment option
- Machine leveling
 - Mechanical machine leveling (turnbuckle)
 - Hydraulic machine leveling (up and down / left and right)
- Digger nose wings (not need with single row pickup)
- Vine deflector attachment option (vine deflector from tires)
- Diablo rollers attachment option - 4 x full (only to be used with easy pull blades)
- Depth control option
 - Auto depth setting with manual override

Specifications



| | |
|------------------------|-----------------------|
| Windrower Model | 6140 |
| Height | 6' 4" |
| Width (transportation) | 14' |
| Length | 28' 9" |
| Number of Rows | 4 |
| Steering Angle | 32" - 38" |
| Horsepower Requirments | 140 |
| Primary Width | 136"/142" |
| Primary Length | 16' 6" |
| Secondary Width | 142" |
| Secondary Length | 11'4" + 12' 5" |
| Rear Cross Width | 36" |
| Rear Cross Length | 34' 4"/42' 4" |
| Deviner Chain Width | 142" |
| Deviner Chain Length | 21' 8" |
| Trackwidth | 128" 136" 144" 152" |
| Tires | 11.25 - 24/11.25 - 28 |
| Weight (basic machine) | 14,630 lbs |