



3120 Sugarbeet Harvester

Walk Around | 2025

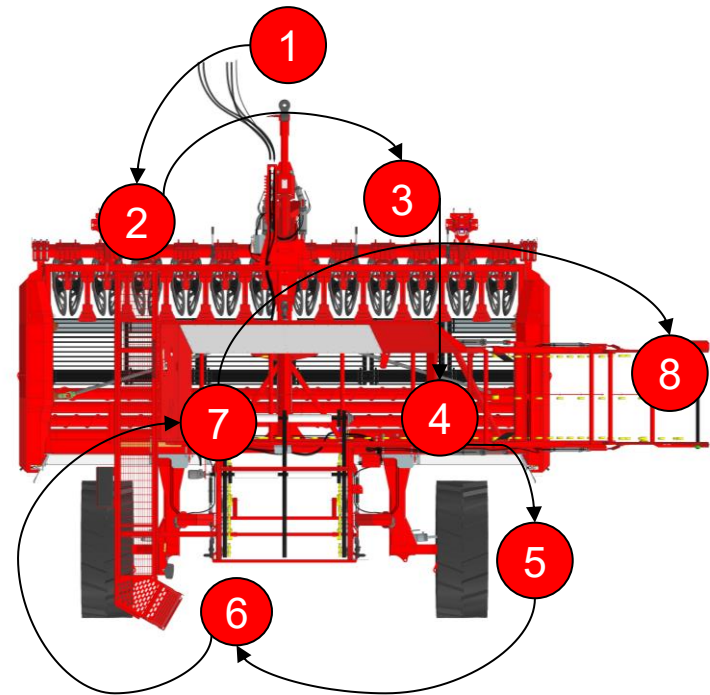
FrameCnt: 325, D
2024-10-09
[iso: 400] [shutter: 1/60.0] [fnum: 1.7] [ev: -0.3] [color_md: default] [focal_len: 24.00]

SPUDNIK

Explanation of the walk around

This document, “Walk Around 3120 Sugarbeet Harvester“, was developed to help introduce this machine at shows, field demonstrations, or in sales discussions, and to showcase distinguishing features!

- 1 Concept
- 2 Puller Wheels / Paddle Shaft
- 3 Row Finder / Steering
- 4 Intake
- 5 Axles
- 6 C-Elevator
- 7 Hopper
- 8 Boom



All images are examples for different machine configurations



Position 1

Concept



Benefits:

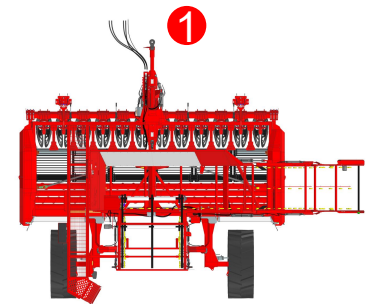
Recommended
position: 1

12 Row, 22" row space high capacity Sugarbeet Harvester

Updated drives for 2025 with shorter multi-V belt and simpler tensioner.

Added a stainless-steel center shield on the inside of the intake and stainless-steel liner in the grab roller bed to prevent dirt buildup.

Road light package standard with turn / flashers and brake lights.



Position 2

Puller Wheels / Paddle Shaft



Benefits:

34" Diameter formed puller wheel with beveled edge, double bevel to reduce damage to the beet and bite into the soil.

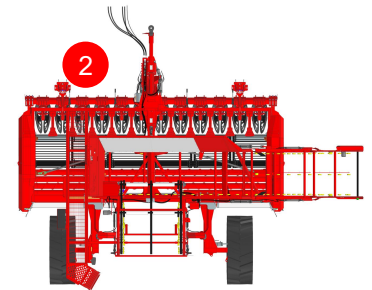
Puller wheel housing has rubber cushioning to prevent rock damage.

Paddle wheel has 5 paddles to reduce the RPM (~60) of the shaft, reducing the potential for damage to the beet.

Paddles can be rubber for rocks or UHMW for muddy conditions.

Puller wheels and paddle shaft are adjusted together to maintain consistent spacing as the puller wheels are adjusted.

Recommended position:



Position 3

Row Finder / Steering



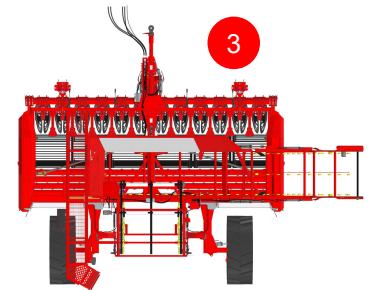
Benefits:

Row finder has adjustments for side-to-side and up-and-down tension.

The row finder controls drawbar steering as well as rear wheel steering.

3

Recommended position:



Position 4

Intake



Benefits:

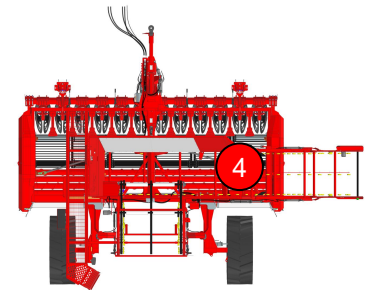
Apron chain is available in belted chain or hook chain which cleans better in mud.

A driven rock protection roller is available to protect the apron chain in rocky conditions but does reduce the length of the apron chain.

4 Grab rollers move the product to the outside of the machine and then back to the center to remove dirt from the beet. The smooth rollers' direction can be reversed to remove additional dirt in a more aggressive dirt removal table.

The grab rollers can be lined with UHMW to reduce dirt buildup.

Recommended position:



Position 5

Axles



Benefits:

Available in a dual tire or single tire configuration (50.5" Ø or 76-11/16" Ø).

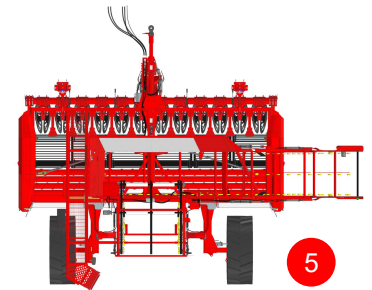
The dual tire is offset 6" between the outside and inside tire to facilitate ease in traversing pivot tracks in the field.

5

Wheel steering is controlled by the row finder in harvest mode.

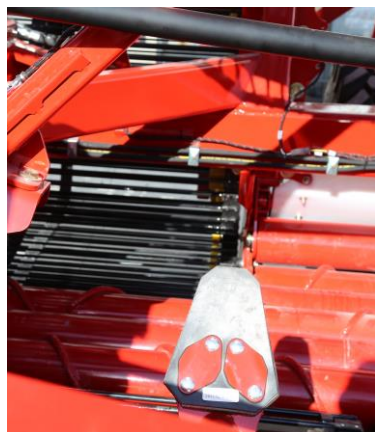
The angle of the machine can be adjusted via the hydraulic lift on the axle.

Recommended position:



Position 6

Elevator



Benefits:

The 69" wide 'C' elevator transfers the beets from the grab rollers up the back of the machine and into the hopper, driven with 4 drive sprockets.

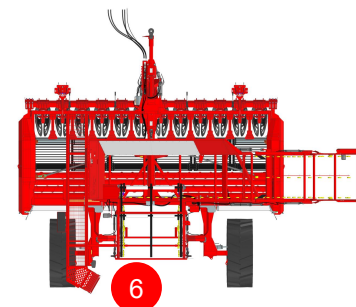
6

An inner and outer chain holds the beets as they are conveyed to the hopper. Available in 50 & 56mm straight rods, or a 50mm STR outer and 50mm 5D1S inner chain to create a pocket for the beet.

Chain tension is adjusted between the two chains depending on the volume of beets for optimum lifting.

The drop height from the elevator into the hopper is the lowest in the industry.

Recommended position:



Position 7

Hopper



Benefits:

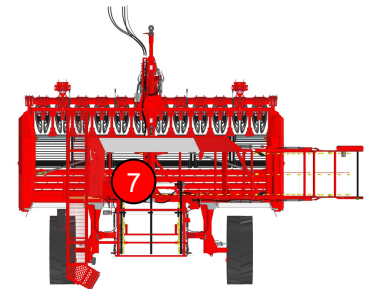
Hopper capacity is 5 tons, with a 6° shallower angle for 2025.

The front of the hopper has slots cut into it for visibility into the hopper by the harvester operator.

7 UHMW lines the slope of the hopper opposite the 'C' elevator discharge to reduce dirt buildup.

Platform on the left side of the machine for easy access to clean hopper and access 'C' elevator drives.

Recommended position:



Position 8

Boom



Your benefits:

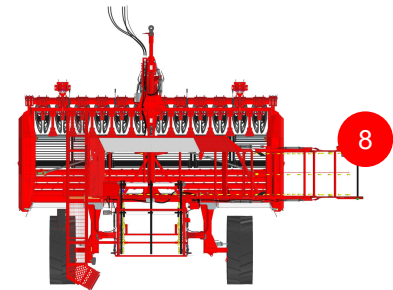
48" Wide boom chain to fill trucks.

Discharge of boom can be lowered into the truck to reduce breakage.

Boom folds up tight against the machine for transport.

Recommended position:

8



8



View 3120 Sugarbeet Harvester

From left



View 3120 Sugarbeet Harvester

From right



View 3120 Sugarbeet Harvester

From front



View 3120 Sugarbeet Harvester

From rear



View 3120 Sugarbeet Harvester

From top

