

Art's Way Sugarbeet Harvester Cheat Sheet



SOIL CONDITIONS	HARVESTER PERFORMANCE	Speed	Depth	Row Finder	Lifter Wheels	Paddle Shaft	Grab Bed (Front Rolls)	Grab Bed (Rear Rolls)	Ferris Wheel	Tank & Boom Elevator
WET	Losing Whole Beets	△	▼	—	1-3-4	B-C	A-F-H-I	1-8-9	1-2-4	A
	Chipping, Chunking, or Cracking	▼	△	A	2-3-5	A-B-C	A-C-F-H-I	1-8-9	1-2	A
	Breaking Tails	▼	▼	A	2-3	A	H-I	--	--	—
	Loading Excess Dirt	▼	△	—	3-5	C	A-D-E-G	1-7	3-5	—
	Skinning Beets	△	▼	—	--	—	A-C-F-H	1-8	--	—
NORMAL	Losing Whole Beets	△	▼	—	3-3-4	B-C	A-F-H-I	1-8-9	1-8-9	A
	Chipping, Chunking, or Cracking	◆	◆	A	2-3-5	A-B-C	A-C-F-H-I	1-8-9	1-8-9	A
	Breaking Tails	▼	▼	A	2	A	H-I	--	--	—
	Loading Excess Dirt	▼	△	—	3-5	--	B-D-E-G	2-7	3-5	—
	Skinning Beets	△	▼	—	--	--	A-C-F-H	1-8	—	—
DRY	Losing Whole Beets	△	▼	—	1-3-4	B-C	A-F-H-I	1-9	1-2-4	A
	Chipping, Chunking, or Cracking	◆	▼	A	2-3-5	A-B-C	A-C-F-H-I	1-9	1-2	A
	Breaking Tails	▼	▼	A	2	A	H-I	--	--	—
	Loading Excess Dirt	▼	△	—	3-5	--	B-D-E-G	2-7	3	—
	Skinning Beets	◆	▼	—	--	--	A-C-F-H	1-8	--	—

KEY

- * Before making any adjustments, take note if defoliator is knocking beets out of the ground and/or beating beets excessively, causing damage.
- * Before making any adjustments, make sure the harvester is **CLEAN** and free of mud buildup.

Speed

- ▼ Slow lifter ground speed (3 to 4 mph)
- △ Increase lifter ground speed (4 to 6 mph)

Depth

- ▼ Dig Deeper (3" to 5" making small incremental adjustments)
- △ Dig Shallower (1.5" to 3" making small incremental adjustments)

Row Finder

- A** Check row finder (clear of leaf or mud buildup/centered and working properly/greased)
- Adjust Width of arms to match average size of beet

Lifter Wheels

- 1 Bent or broken wheel
- 2 Pinch point adjusted too tight; go wider (1.75" starting point)
- 3 Pinch point adjusted too wide; go narrower (1.75" starting point)
- 4 Add lifter wheel close-ups
- 5 Remove lifter wheel close-ups

Paddle Shaft

- A** Adjust paddle shaft up
- B** Adjust paddle shaft down
- C** Move paddles out toward wheels

Front

Grab Bed

- A** Speed up grabrolls
- B** Slow down grabrolls (to test - slow the PTO by throttling RPM on tractor down)
- C** Raise the front of the grabroll bed
- D** Lower the front of the grabroll bed
- E** Raise the smooth grabrolls
- F** Lower the front of the grabroll bed
- G** Open the grabrolls (wider on the pinching side - starting point 1.5" from tube to tube)
- H** Close the grabrolls (narrower on the pinching side - starting point 1.5" from tube to tube)
- I** Lower smooth roll on back of head

Rear

Grab Bed

- 1 Speed up grabrolls
- 2 Slow down grabrolls (to test - slow the PTO by throttling RPM on tractor down)
- 7 Open the grabrolls (wider on the pinching side - starting point 1.5" from tube to tube)
- 8 Close the grabrolls (narrower on the pinching side - starting point 1.5" from tube to tube)
- 9 Check spring tension on grabroll mounts

Ferris Wheel

- 1 Check wheel for damaged rods or bent guides and shields
- 2 Add rubber flaps to the wheel
- 3 Remove rubber flaps from the wheel
- 4 Check retainer tension and clearance
- 5 Use wheel cleaner

Tank & Boom Elevator

- A** Gaps along the elevator to the truck (walking chains, damaged bogie wheels, missing pieces of shielding, etc.)