



50 SERIES DEFOLIATOR

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FIELD-PROVEN INNOVATION

Is defoliation your limitation? Amity Technology 50 Series Defoliators are engineered to match harvester speed with the ability to properly defoliate at 5 mph vs. 3 mph with traditional defoliators. There is no need to work acres ahead. 50 Series defoliators enable the use of the natural insulation of the crop canopy in hot or cold conditions keeping you harvesting faster and longer.

FLAIL OPTIONS

Three-drum 50 Series Defoliators are available with a variety of flail configurations.

Front Drum:

Uses steel cup and L-knife flails

Drum 2 & 3:

Split flail • Multiple rubber options • Patented studded

MODEL OPTIONS

Amity 50 Series Defoliators come in 6 row 22" to 12 row 22" models.

3450 6R/22 and 6R/24

3550 6R/30 and 8R/22

3750 8R/30 and 12R/22

EXCLUSIVE GEARBOX DRIVE

Amity Technology features the exclusive all gearbox drive on all defoliator models. Engineered to the power required, these boxes efficiently transfer low-maintenance power without belts or chains.

STRUT OPTIONS

Amity Technology Defoliators are available with steerable or non-steerable rear strut cylinders.

Standard:

22"/30"	11.2x24
44"	11.2x24
Offset 22"	11.2x24*

Steerable:

22"	11.2x24
44"	11.2x24
Offset 22"	11.2x24*

*not available with AHC

CUSTOMIZED HARVEST

The heart of 50 Series Defoliators is the shrouded combination steel front drum. The vacuum effect created by the cup flails over the rows lift and cut the leaves. Then the leaves are directed to the L-knives, which finely size and distribute the leaves between the rows.

SMOOTH OPERATION

Optional Dynamic Stabilizer Wheels (DSW) provide smooth travel through the field. DSW is available in casting or non-casting to meet the needs of the operation.

OPTIONAL SCALPERS

Amity defoliators are available with optional knife scalpels.

OPTIONAL ROW FINDER

The optional row finder mounts to either the frame or the scalper bar, providing a clear path for the harvester.

SERVICE AND SUPPORT

With the best dealer network, Amity Technology parts and service are available when you need them most.

ACTIVE HEIGHT CONTROL

Active Height Control (AHC) is a major advancement on Amity Technology defoliators. The ever-changing field dynamics during sugar beet harvest can create challenges. AHC provides the tools for the job.

Sensors mounted on the rear of the machine, either on a skid or a scalper (depending on your operation), monitor the average beet height in comparison to the ground level, keeping the defoliator where you want it. Overall, this provides the operator the tools for the job.

ISOBUS control eliminates the need for additional screens.

FIELD-PROVEN SOLUTIONS™

Field-proven solutions from Amity Technology are grower-focused and grower-driven. We listen to growers, look for ways to make harvest more efficient, and engineer solutions for your farming operation.



MORE INFORMATION:



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50 SERIES DEFOLIATOR SPECIFICATIONS

Defoliator	3450	3550	3750
Number of rows	6	6 to 8	8 to 12
Row spacing	22-24"	22-30"	22-30"
Total weight	11,500 lbs	13,200 lbs	15,200 lbs
Hitch weight	4,400 lbs	5,000 lbs	6,050 lbs
Length w/o scalpers	19'6"	19'6"	19'6"
Width	13'4"	16'0"	23'11"
Height	7'0"	7'0"	7'0"
Recommended working speed	3-6 mph	3-6 mph	3-6 mph
Maximum road travel speed	25 mph	25 mph	25 mph
Tractor requirements (minimum):			
Recommended power (PTO)	130 hp	160 hp	215 hp
PTO speed	1,000 rpm	1,000 rpm	1,000 rpm
Drawbar vertical load	5,000 lbs	5,000 lbs	6,000 lbs
Hydraulic capacity	30 gpm	30 gpm	30 gpm
Hydraulic pressure	2,700 psi	2,000 psi	2,700 psi
Tractor weight	7,700 lbs	8,800 lbs	10,200 lbs



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