



The 36A / 48A Front Mower Research Plot Harvester is now available from RCI Engineering.

#### **Intended Use**

The 36A / 48A Front Mower Research Plot Harvester is used to harvest test plots of alfalfa, grass, switch grass, or other forages and/or biomass crops. The harvesting units are mounted to a John Deere 1580/1585 Terrain Cut Front Mower.

#### **Product Highlights**

- 36A and 48A Harvesting Units are interchangeable. 36A has a 36” wide cut. 48A has a 48” wide cut.
- Mechanical drive system for efficiency of drives and service points
- 26/30-Knife cutting flail for clean, fine cut, 36” or 48” cut width
- Overall width of 48” for 36A configuration, 60” for 48A configuration (due to gauge wheels)
- Re-cutter blower for particle size reduction
- Options for bagging system or rear hopper, both with integrated scale system.
- John Deere 1585 Terrain Cut Specifications
  - Optional Cab with a/c and heat
  - 48” overall width when configured by RCI
  - 37.4 Hp
  - Diesel Fuel Only
  - Additional specifications available at [https://www.deere.com/en\\_US/products/equipment/front\\_mowers/1585/1585.page](https://www.deere.com/en_US/products/equipment/front_mowers/1585/1585.page)

#### **Important Information**

- Sample hopper system volume is approximately 15 cu. Ft. and has hydraulic door opening.
- Larger Rear hopper system volume is approximately 42 cu. feet and has hydraulic door opening.
- Bagging system sample volume is approximately 9 cu. Feet (optional)
- Recutter reduces particle size drastically over competitive machines, resulting in less volume needed per plot
- Other machine variations are available on request

## Ordering Information

The following part numbers are available from RCI Engineering:

- RC081952 36A Harvesting Unit
- RC081992 48A Harvesting Unit
- JD1585 John Deere 1585 Terrain Cut (with cab option)
- JD1580 John Deere 1580 Terrain Cut (open station)
- RC081975 Assembly, Rear Hopper for JD1580/1585
- RC081902 Bagging System Bundle (optional)

## Setup and Installation Time

36A / 48A Research Plot Harvester Setup Time When New

1 hour

All parts, service and warranty matters are handled by RCI Engineering LLC. Visit [www.RCIEngineering.com](http://www.RCIEngineering.com) for more product information, ordering, and pictures of this product.

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## RCI Research Plot Harvester Specifications

36A / 48A - All Configurations

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Specification	JD 1585		Tractor Mount		Towable	
	36A	48A	36A	48A	36A	48A
Cutting Width	36"	48"	36"	48"	36"	48"
Overall Machine Width	48"	60"	48"	60"	48"	60"
Minimum Horsepower Requirement	38 hp		35 hp		51 hp	
Fuel	Diesel		Diesel		Diesel	
Bagging Option	Yes					
JD 1565 / 1585 Primary Hopper Volume	15 cu. Ft.		N/A		N/A	
JD 1565 / 1585 Secondary Hopper Volume	42 cu. Ft.		36 cu. Ft.		36 cu. Ft.	
Optional Hopper Volume	N/A		60 cu. Ft.		N/A	
Hydraulic Hopper Unload	Standard		Standard		Optional	
PlotPro Data/Control system compatible	Yes					
Standard Scale System	Yes					
Primary Hopper Scale System	EZ400 w/ 4 x 250 lb		EZ400 w/ 4 x 1500 lb		EZ400 w/ 4 x 1500 lb	
Large Hopper Scale System	N/A					
Primary Scale Accuracy	0.1 lbs	0.1 lbs	.5 lbs	.5 lbs	.1 lbs / .5 lbs	
Primary Scale Resolution	Adjustable from .01 lbs to 10 lbs with Digi-Star EZ400					
Hopper Control - Standard	Hydraulic		Hydraulic		Manual	
Hopper Control - Option	N/A				Hydraulic	
Minimum Cut Clearance	0.5"					
Maximum Cut Clearance	6.0"					
Number of Knives	26	30	26	30	26	30
Standard Knives	Cupped Knives					
Standard Gauge Wheels	Yes					
Standard Skid Shoes	Yes					
Standard Recutter Blower Paddles	Yes					
Standard Snouts / Crop Guides	Yes					
Camera System	Standard		Optional		Optional	
Optional Cab with heat and A/C	Yes		Yes		No	
Integrated Transport System	No		No		Yes	