



30A Plot Harvester Sampler



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For More Portable Plot Harvesting, Check Out the RCI 48A!

The RCI 48A Towable Plot Harvester can be towed from site to site at highway speeds. Spend more time testing your plots and less time unloading and loading your plot harvester.

- Integrated trailer and suspension system for high speed transport without the use of a trailer
- Sliding hitch and hydraulic jack stand to allow the operator to easily connect to a towing vehicle
- Low gross vehicle weight to allow towing vehicle to remain below 10,000 lbs. when proper tow vehicle is used for the configuration



About RCI...

RCI Engineering LLC was formed in 2004 with the sole purpose of providing engineering and manufacturing services for the specialized agricultural equipment industry. Since that time, the company has experienced tremendous growth in product offering and size. In January, 2008, RCI moved to a larger facility in Mayville, Wisconsin, and continues to grow. RCI is an allied supplier to John Deere for attachments for hay and forage equipment as well as a provider of custom harvesting equipment for several other companies.



Simple Sampling

The 30A Plot Harvester Sampler is used to harvest test plots of corn silage, sorghum, alfalfa, grass, switch grass, or other forages and/or biomass crops. The unit can be attached to either a John Deere Pull-Type or Self-Propelled Forage Harvester. The sampler can also be used with an NIR sensor to gather moisture, starch content, protein, other constituents, weight, sample weight, and location settings on a tablet PC in the cab of the power unit.

Crop from the Forage Harvester enters the diffuser while harvesting. The diffuser drops the material onto the weighing belt. The operator gathers a sub-sample from the cross auger and places it on the scale for weighing. Once weighed, the sub-sample is stored beneath the seat. The PLC/Control Panel is located to the left of the operator. A display is provided for the operator to note scale weight but is not directly used by the operator in the normal operation of the unit.



Harvest samples with or without an operator on the 30A unit. The operator station allows immediate sub-sampling of the harvested crops.



Product Highlights

- Unit includes a diffuser, weight belt, sampling device, and operator station for efficient collection of data
- RCI can install the unit on nearly any John Deere Self-Propelled or Pull-Type Forage Harvester
- RCI can customize the unit for a variety of customer needs for data collection
- The harvesting unit can be fitted with a windrow pickup or chain header for various crops and conditions
- Unit is powered by a hydraulic power source from the base machine
- The tablet PC is removable from the machine for use in off-season data gathering
- An optional GPS tracking system is available for the unit
- An optional blower / spreader system is also available for the unit
- A rear-facing camera system is included with the unit

Additional Important Details

- Weigh belt capacity is approximately 30 cu. feet or 500 lbs. of material and has a belt for emptying
- Sampling system sample volume is approximately 2-10 lbs. of material (wet basis)
- Recutter screens are available to reduce particle size if desired
- Traction units can be supplied as new, used, or customer-supplied
- RCI specializes in turn-key plot harvesters using new or rebuilt power units.

Available On Request

- RCI can rebuild existing power units as needed
- Other machine variations are available on request
- A dump cart is available



The RCI 30A mounts to the John Deere pull-type or self-propelled forage harvester in about 4 hours.



Sub-sampling is an easy task. The cross auger pulls material from the drum, weighs and stores it.

