



I&J mfg. LLC

Dedicated to Building Quality Farm Machinery

706 Twin Blade Mower



4-Wheeled Cultivator



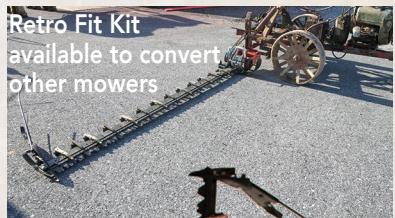
- Two cutter bars provide extra wide cutting swath.
- Powered by PTO or engine.
- Hydraulics enable operator to easily move into transport mode of 102" wide.
- Rear wheels are steered by hydraulics from the driver's seat for easy maneuverability.
- Non plugging, clean cut.

- Available in 2, 3 or 4 rows.
- Can be used with two or three horses.
- Comfortable seating enable operator to work longer.
- Minimum tongue weight reduces fatigue for horses.
- High clearance enables machine to operate in taller crops.
- The design of the machine enables better visibility for the operator.
- Removal of center gang enables use in crops grown under plastic.
- A variety of shovels and attachments can be used.

717-442-9451 | I-JManufacturing.com

10 S. New Holland Road, Suite 2 Gordonville, PA 17529

MOWERS



NEW
Oil Bath
Gear Box

Ground Drive Mower
Low Torque Required

I&J mowers operate very efficiently with a unique scissor cutting action that lets you mow with virtually no plugging. Clean cutting means faster regrowth. Working widths of 5½, 7, 8 or 9 ft.



#656 - With a 9 Horse Honda Motor



#652 - With a 5 Horse Honda Motor

■ GROUND DRIVE PTO FORECARTS



#GDCAR

Standard Duty Ground Drive PTO Forecart

- Two speeds (350/500 RPM @ 3.5mph)
- 28" diameter wheels
- Suitable to power sickle bar mowers, rakes, tedders, fertilizer spreaders, sprayers, etc.
- Optional brakes
- Optional 12v hydraulic power pack

- Bar can cut in any position
- Three point hitch or trailing for tractor, cart or draft hitch
- Gasoline engine, PTO or ground drive
- Rubber tires or steel wheels
- Bar lifts vertically with 12" cylinder on 3 point and trailed models
- Operates 90° up – 30° down
- A safety release, with automatic re-hooking helps guard against damage to the bar when objects are hit (on trailed mowers)
- Heat treated blades hold their edge longer and produce a cleaner cut which means faster regrowth
- Bottom blades are spaced farther apart; therefore only a few blades are cutting at once ($\frac{2}{3}$ less torque required)



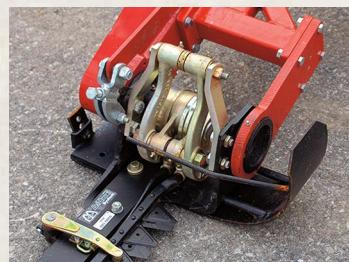
#655 - With PTO Drive



Vanguard



#651 - 3 Point Mower



#658 - Skid Steer Mower



#ESM on BCS Tractor



#HGDCAR

Heavy Duty Ground Drive PTO Forecast

- Two speeds (375/500 RPM @ 3.5mph)
- All enclosed oil-filled gear boxes
- 38" diameter wheels
- Suitable for running haybines, rotary cutters, etc.
- Optional brakes
- Optional 12v hydraulic power pack or gear pump/accumulator kit
- Optional wheel weights for more traction



DRAFT ROW CROP CULTIVATORS



The two row is a great size for the more serious row crop farmer. With a 72" toll bar, it converts to use with plastic mulch by removal of the center gang.

Options available, seat back option & split row shields. Split row shields allow safe, controlled return of soil to plants. Fully adjustable.

I&J Draft Cultivators are designed and built by people who farm with animals themselves. Lancaster County, Pennsylvania draft farmers have long been known for their excellent farming methods and progressive ideas regarding equipment.

Built to stand the test of time, I&J cultivators are available in 1, 2, 3, 4, and 6 row models, with options found on larger, heavier units, and are finished with attractive rust resistant paint. They make weed control, row maintenance, and field preparation possible without the use of environmentally unfriendly chemicals.



One row cultivator with seat back option.



Quick depth adjuster.
No tools needed!



Optional hydraulic lift.



A gravity feed liquid side dresser option allows convenient application of fish emulsion or other liquid fertilizers. Poly tanks are available in

#12-18 - One Row 25 Gal.
#12-198 - Two Row 55 Gal.

Draft Row Crop Cultivator Information			
Model	Rows	Shipping Dimensions	Shipping WT
1RH	One	48"W x 52"L x 48"H	750 lbs.
ZRHST	Two	48"W x 80"L x 48"H	900 lbs.
3RH	Three	80"W x 48"L x 48"H	1000 lbs.
4RHST	Four	144"W x 48"L x 48"H	1100 lbs.

FEATURES & OPTIONS



#12-204

Torsion Weeder. Economical in-row weeding tool

Cultivator Shovels



#11-022
7" shovel



#11-021
4" shovel



#11-020
2 3/4" shovel



#SWE112
1 1/2" shovel



Need replacement rotary hoes? Special tempered and wider spoon for better weed sprout elimination.

Four different shovels are available to suit your requirements



Rotary hoes with rolling shields.



Rotary hoes with walking beam.

#12-187 - One Row 25 Gal.

#12-198 - Two Row 55 Gal.

A gravity feed liquid side dresser option allows convenient application of fish emulsion or other liquid fertilizers. Poly tanks are available in



#01-083 - Finger Weeder

Specifically designed for in-row cultivation, the finger weeder uproots small and just emerging weeds. The ground engaging steel drive plate turns flexible polyurethane fingers at a faster speed to "flick" out emerging weeds at the hair stage.



#12-200 - Split Row Shields

Allow safe controlled return of soil to plants. Fully adjustable.

#12-196 - Additional Tines

Units can be converted easily to field cultivators by adding additional tines. Shields or hillers must be removed.

#12-194 - Disk Hillers

Attach conveniently for hillling crops when desired.

NEW OPTIONS

Rotary Hoe • Finger Weeder • Ridging Shovel (Hiller Shovels)

■ ROW CROP CULTIVATORS

Standard feature on all cultivators, poly bushings are used in all moving parts.



#2R3PS - Standard Duty Cultivator

Available in 1, 2, 3, or 4 row models. Comes with poly bushings and is equipped with combination cat of 1 or 2 hitch. *Optional stabilizing coulter plus other options available.*



#4R3PS - Heavy Duty Four Row

Also available in a 2 & 6 row models. The stabilizers are 8½" wide for greater stability. High clearance is optional.

#2R3PS - standard cultivator

An economical choice for the smaller farmer. Combination cat 1 & 2 hitch is standard, shown with optional shield and coulter.

#1R3PS - One Row

Used for cultivating special crops such as pumpkins. Great for use on rows with plastic mulch. Same specifications as the two row model, with center gang removed.

3 Point Cultivator Specifications

Model	Total Shanks	Tool Bar Size	Shipping WT	Shipping Dim.
2RHD3P - 2 Row HD	11	4"x 6"x ¾" x 85"	825 lbs.	44"W x 85"L x 36"H
4RHD3P - 4 Row HD	21	4"x 6"x ¾" x 170"	1120 lbs.	48"W x 170"L x 48"H
6RHD3P - 6 Row HD	31	5"x 7"x ¾" x 250"	1440 lbs.	48"W x 250"L x 48"H
1R3PS - 1 Row LD	10	4"x 4"x ¼" x 72"	520 lbs.	44"W x 72"L x 36"H
2R3PS - 2 Row LD	11	4"x 4"x ¼" x 72"	650 lbs.	44"W x 72"L x 36"H
3R3PS - 3 Row LD	17	4"x 4"x ¼" x 104"	850 lbs.	48"W x 120"L x 48"H
4R3PS - 4 Row LD	21	4"x 4"x ¼" x 144"	1050 lbs.	48"W x 144"L x 48"H

Specifications may change with design improvement.



#55HA - Five Tine Cultivator has adjustable row width for use with horse or pony.



#RIDCUL - Five Tine Riding Cultivator

- For the serious gardener or produce grower
- Adding a pull type roller allows to prepare seed bed



Horse-Drawn Cultivator
A variety of shovels sizes are available as options.



#3SHA - Three Tine Cultivator

- Can be used with a horse or pony or simply push
- Single tree is optional



#55HABCs - I&J Cultivator on BCS Tractor

■ COVER CROP ROLLER



30' Trailed Model

The rolling and crimping action of the blades will transform a field of vetch, rye or other cover crops into a thick, weed suppressing mulch.

#930T - Cover Crop Roller mounts to the front of the tractor with a three point hitch, leaving room for the seeder at the back. This means you can knock down weed-suppressing mats of cover crop, and plant through it all in the same pass!

Organic and sustainable farmers who already work with cover crops will quickly realize the time saving value of a front mounted Cover Crop Roller. Conventional farmers may now consider the move to organic with this step saving tool; or they can use the Cover Crop Roller as part of their conventional farming program to reduce the amount of herbicide sprays.



#931NT - Cover Crop Roller



#915NT - Cover Crop Roller



▲ Water or other liquid can be added for more weight, which makes for better performance on hard soil. Weight of the 10.5' Cover Crop Roller is 1680 lbs. empty and 2470 lbs. filled with water.

COVER CROP ROLLER BENEFITS

- Cover crop management without herbicides or tillage
- Reduced herbicides in conventional no-till systems
- Mulching effects and barrier attributes of cover crop are maximized
- Rolling and compressing improves the weed suppression of the cover crop
- Reduction of water evaporation from the soil
- Better incorporation of crop residue in organic farming
- Can be built from 3' through 60' wide
- Roller is ground driven
- Blades are arranged in chevron pattern to prevent bouncing
- Blades are welded and replacement blades can be bolted on as needed
- Can either be mounted 3 point on tractors or horse drawn
- Can be used with pasture management (enhances mob grazing effect)
- Great for food plots (deer management)



So the farmers are saying to themselves, "I need to figure out how to make the same amount of money on half as much land."

Going organic could help them do that.



#910 - 3 Point Roller

Trailed and 3 Point Hitch Models

Roller Sizes & Shipping Info

8' Roller 36" w x 36" h x 102" l Ship weight 1,300 lbs. 11'

Roller 36" w x 36" h x 132" l Ship weight 1,600 lbs. 16'

Roller 36" w x 36" h x 192" l Ship weight 2,500 lbs.

*Also Available in Towing Models

Optional: Flip Over or Hydraulic Lift for Transport

ORGANIC FARMING?

November 20, 2003: "I thought you were organic!" So said one of The Rodale Institute's (TRI) conventionally farming neighbors earlier this year, after seeing TRI's fresh Rodale Farm Manager Jeff Moyer had knocked down the cover crop of rye and planted the beans directly into the residue. "It looked so good and the kill was so complete, he thought it must have been sprayed," recalls Moyer.

Rest assured, however—there were no chemicals involved. Instead, Moyer used a new, front-mounted cover-crop roller designed and built at The Rodale Institute® as part of a continuing effort to develop practical methods for reduced tillage organic production. The Rodale Institute Farm team has experimented with no-till corn into mixed legume covers as well as no-till soybeans into small grain covers, and is greatly excited about the results. "We're moving toward a situation in which we do our primary tillage to get our cover crop established, so that [the cover crop] almost becomes your primary crop, even though it's not for sale," Moyer explains. "It changes the way you think about the whole system."

Once you've seen how one pass with a roller can turn a lush stand of rye and hairy vetch into a 5-inch thick, weed-suppressing mulch, you'll wonder why anyone thought of introducing herbicides into the concept of no-till. The goal is not to cut the stems but just to crimp them and lay wait until the cover crop reaches full flowering. If you do it before, the plant is still in a vegetative growth stage and will bounce back green and vigorous; but if you get it after that point, it will dry and die. "At least a 20% bloom is suggested," explains Matt Ryan, a TRI research technician who has worked on the no-till effort, "but we've found it's better to wait for 50 to 75% bloom." As long as any early-developing seeds are still green, they won't be viable to create a problem in the next crop.



#904 - Cover Crop Roller

■ VERSATILE FORECART



#CARBR - Forecart

- Ideal for light draft horses
- Pole can be offset for 3 to 5 horses
- Optional foot pedal steering
- Optional brakes (hydraulic or band)
- Steel or rubber wheels
- Optional bench seat
- Optional single shaft



#3PTAIJ - 3 Point Hitch Adapter

(Also available to fit Pioneer Forecart)



#SINSHL - Forecart

Shipping weight: 425 lbs.

Dimensions: 48" w x 48" l x 24" h

I & J
mfg. LLC



#15-065R - Walking Plow

- 8" or 10" or 12" Radex bottom
- One or two horses required
- Right hand (standard)
- Weight: 165 lbs.
- Shipping dimensions: 50" w x 48" l x 24" h



#0011R - 3 Point Plow

- 10" or 12" Radex bottom
- Weight: 120 lbs.
- Shipping dimensions: 40" w x 40" l x 24" h



#0043C - 3 Point Potato Digger

- Weight: 110 lbs.
- Shipping dimensions: 48" w x 48" l x 24" h



#WBPOTP - Walk Behind Potato Plow

- Bottoms can be interchanged to accommodate the Walking Plow
- Weight: 160 lbs.
- Shipping dimensions: 50" w x 48" l x 24" h



#48HARR - 3 Point Harrow

- 48", 60" or 72" wide
- Weight: 140 lbs. (60" model)
- Shipping dimensions: 60" w x 30" l x 24" h



#3PTROW - Row Maker

(trencher)



#3PTDH - Point Disc Hiller

Cover Crop Roller



The rolling and crimping action of the blades will transform a field of vetch, rye or other cover crops into a thick, weed suppressing mulch.

I&J Mfg. *Manufacturer of cultivators, sickle bar mowers, cover crop rollers, as well as smaller horse-drawn equipment and garden tools.*

I&J Mfg. started in 1986 in a 30 x 40 farm shop on Isaac Blank Farm, 5189 Amish Rd., Kinzers, by Isaac and Jacob Blank.

Isaac was farming and was very ingenious. He always had an eye for improving equipment needed to farm.

In 1987 they started making cultivators due to requests for a good cultivator because the chemicals traditionally used were not working as well anymore. I&J builds both horse-drawn and 3-point tractor cultivators. This market has sustained I&J Mfg. very nicely.

Around 1988, I&J started selling Kuhn Rotary rakes and ground drive PTO forecarts to run them.

Around 1990, I&J started making self-contained ground drive hay rakes, and started making sickle bar mowers using superior mowers with both the blades and guards moving (less plugging).

In 1991, I&J Mfg. put up a 4,000 sq. ft. shop at 5302 Amish Rd. Isaac sold his share of I&J Mfg. to his nephew Alvin Blank who stayed with I&J Mfg. through 2005.

In 1994, I&J built a home and a warehouse on the same property.

I&J made more products focusing on horse farming tools for everyone from the hobby/home gardener to serious farmers, and experienced steady moderate growth over



the next 10 years.

In 2004, the two sons Michael and Mose bought into I&J Mfg.

In 2006, Rodale Institute approached I&J about making and selling cover crop rollers. This also became a major entity for I&J Mfg. and units from 4 ft. wide through 60 ft. wide were developed.

In 2009, I&J Mfg. started importing ESM sickle bar components which dramatically improved the mowers' performance. It also made it possible to power the mowers' ground drive, and a whole new market became available.

In 2011, I&J Mfg. developed a ground drive sickle mower that proved to work very well.

March 30, 2013, son Michael was killed in a plane accident, and is very much missed. Mike was a key player in research and development as well as fabrication, especially in the crop roller and mower division.

In December of 2015, I&J Mfg. moved 3½ miles NW to 10 S. New Holland Rd., Gordonsville, leasing the brand new 22,500 sq. ft. building.



I-JManufacturing.com

717-442-9451

10 S. New Holland Road, Suite 2
Gordonsville, PA 17529

H O U R S :

7:00 AM – 4:30 PM Monday – Friday
Saturdays by appointment only
Closed Sundays

Psalm 50:10 For every beast of the forest is mine, and the cattle upon a thousand hills.

We give God all the glory for His bountiful blessings. For God owns the cattle on a thousand hills, including the equipment needed to support them. We are only God's stewards appointed to care for them the short time we are called to tarry on this earth.