

717-442-9451



Dedicated to Building Quality Farm Machinery



ROW-CROP CULTIVATORS
SICKLE BAR MOWERS
COVER CROP ROLLERS
GROUND DRIVE FORECARTS



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



**NEW
Oil Bath
Gear Box**

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.



Retro Fit Kit available to convert other mowers



Ground Drive Mower
Requiring Low Torque



GROUND DRIVE PTO FORECARTS



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

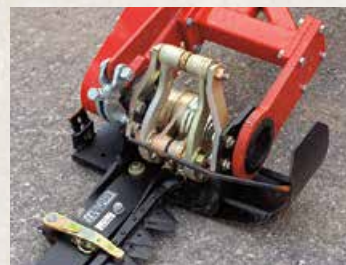
- Bar can cut in any position
- Three point hitch or trailing for tractor, cart or draft hitch
- Gasoline engine, PTO or ground drive
- Rubber tires or steel wheels
- Bar lifts vertically with 12" cylinder on 3 point and trailed models
- Operates 90° up – 30° down
- A safety release, with automatic re-hooking 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 (2/3 less torque required)



Vanguard



3 Point Mower



BCS Mower



Heavy Duty Ground Drive PTO Forecart

- 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



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, and 4 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.

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.



One row cultivator with seat back option.



Quick depth adjuster. No tools needed!



Disk hillers attach conveniently for hilling crops when desired.



A gravity feed liquid side dresser option allows convenient application of fish emulsion or other liquid fertilizers. Poly tanks are available in 25 and 50 gal. sizes.

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



Five Tine Cultivator has adjustable row width for use with horse or pony.

Ideal for controlling weeds

and preparing beds for planting. I&J's walk behind garden cultivators are implements for serious gardeners, whether you use an animal, or rely on manpower.

The I&J garden cultivators are built to last. Each unit comes with an adjustable gauge wheel and 4" shovels.



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.



Three Tine Cultivator

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



I&J Cultivator on BCS Tractor

ROW CROP CULTIVATORS

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



The standard duty cultivator is available in 1, 2, or 4 row models. Comes with poly bushings and is equipped with combination cat 1 or 2 hitch. *Optional stabilizing coulters plus other options available.*

Long life and minimum maintenance is the name of the game when it comes to I&J row crop cultivators. They contain features that make them the most durable and economical implements you'll buy.

The cultivators are available in 18" to 40" row spacing, and have adjustable gauge wheels to allow each gang to track accurately over uneven surfaces. Included with each cultivator are adjustable stands. From one to six rows, heavy duty or light, you'll also find options that make the I&J cultivators extremely versatile and efficient.



The heavy duty four row is also available in a 2 & 6 row models. The stabilizers are 8½" wide for greater stability.



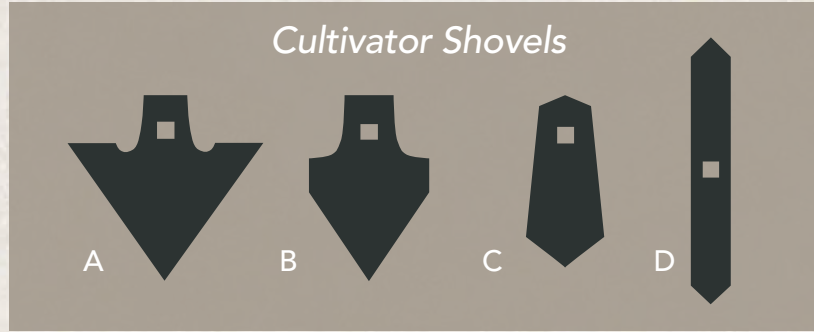
The standard cultivator is the economical choice for the smaller farmer. Combination cat 1 & 2 hitch is standard, shown with optional shield and coulters.



The one row is 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.
2 Row HD	11	4" x 6" x 3/16" x 85"	825 lbs.	44"W x 85"L x 36"H
4 Row HD	21	4" x 6" x 3/16" x 170"	1120 lbs.	48"W x 170"L x 48"H
6 Row HD	31	5" x 7" x 3/16" x 250"	1440 lbs.	48"W x 250"L x 48"H
1 Row LD	10	4" x 4" x 1/4" x 72"	520 lbs.	44"W x 72"L x 36"H
2 Row LD	11	4" x 4" x 1/4" x 72"	650 lbs.	44"W x 72"L x 36"H
3 Row LD	21	4" x 4" x 1/4" x 144"	1000 lbs.	48"W x 144"L x 48"H

Specifications may change with design improvement.



Four different shovels are available to suit your requirements
 A. 7" shovel • B. 4" shovel • C. 2¾" shovel • D. 1½" shovel

A gravity feed liquid side dresser option allows convenient application of fish emulsion or other liquid fertilizers. Poly tanks are available in 25 and 50 gal. sizes.



Rotary hoe option.



Quick depth adjuster. No tools needed.



For effective in-row weeding.



Split row shields allow safe controlled return of soil to plants. Fully adjustable.



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



Disk hillers attach conveniently for hilling crops when desired.

NEW OPTIONS

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

COVER CROP ROLLER



30' Trailed Model

The 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.

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.

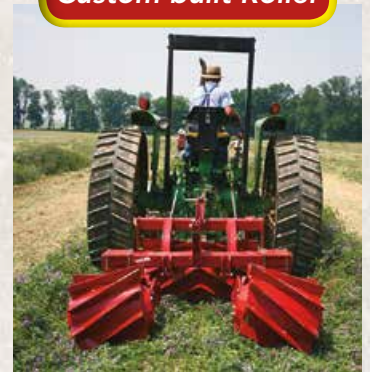


▲ Water or other liquid can be added for more weight, which makes for better performance on hard soil. Weight of the 10.5' Cover Crop Roller is 1680 lbs. empty and 2470 lbs. filled with water.



60' of Rollers Mounted on a John Deere Planter Frame

Custom-built Roller



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 6' wide (2 rows) to 30' wide (10 rows) and up to 60' wide on planter frames
- 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.



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 Model with Hydraulic Lift

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.

■ VERSATILE 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



Shipping weight: 425 lbs.
Dimensions: 48" w x 48" l x 24" h



3 Point Hitch Adapter
(Also available to fit Pioneer Forecart)





Walking Plow

- 8" or 10" standard bottom 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



3 Point Plow

- Standard 10" or 12" Radex bottom
- Weight: 110 lbs.
- Shipping dimensions: 40" w x 40" l x 24" h



3 Point Potato Digger

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



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



3 Point Harrow

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



Row Maker (trencher)



3 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.

At this point the roller fabricating was shifted to son-in-law Eli J. (Ideal Mfg.), also very gifted with drafting and engineering talents.

In December of 2015, both I&J Mfg. and Ideal Mfg. moved 3½ miles NE to 10 South New Holland Rd., Gordonville, leasing the brand new 22,500 sq. ft. building.

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.



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H O U R S :

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