THE FERGUSON
DRILL PLANTER

FASTER ...positive drill planting of row crops

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The FERGUSON SYSTEM

THE FERGUSON SYSTEM of Mechanized Farming

Planting on the Beds. In bedded land, the Ferguson Planter will plant accurately without sliding off the ridges. Press wheels firm seedbed.

Flatland Planting. Mounted close to the Tractor and low to the ground. The Ferguson Planter provides high-speed accuracy on contour or straightaway acres.

Contour Planting. Plant on the contour with "eyes-ahead" confidence. Both planting units accurately follow the path of the front wheels of the Tractor. Planter units float to follow the ground level.

FAST-FLEXIBLE PLANTING

with Ferguson Drill Planter

When planting time comes this year, you'll want to get your crop in the ground in the shortest time possible. You'll want a Planter that does an *accurate job at Tractor speeds.* In other words, you'll want a *two-row, Ferguson Drill Planter.*

The Ferguson Planter's flexible performance will amaze you. Easy adjustment of row width, seed depth, and seed spacing allows you to plant any major row crop under all types of soil conditions.

The Planter's modern design brings convenience to any planting job. Seed hoppers are extra large and built close to the ground for easy filling. And the 200-lb. capacity Fertilizer Attachment takes a full bag of commercial fertilizer in each hopper.

The Planter is divided into two units that operate separately. Each unit floats on a common tool bar effectively following the ground level.

The Drill Planter has been designed by Ferguson Engineers to attach in a minute to the Ferguson Tractor's 3-Point Attachment. Tractor-mounted, the Planter is fully controlled, raised and lowered, from the tractor seat with Finger Tip Control.

Accurate Planting At Increased Speed

You can plant accurately with the Ferguson Planter at speeds up to seven miles per hour. At this increased rate of planting with rows 42″ apart, 4½ acres can be planted in an hour's time.

Tedious unnecessary stops are eliminated when you use the Ferguson Planter. The larger seed and fertilizer hoppers greatly increase the time between refills . . . allow you more time for actual planting.

Quality Construction

Look for those quality extras in the Ferguson Drill Planter. At every point they stand out. Bolts, nuts, pins and washers are zinc or cadmium-plated, heat-treated steel for rust resistance. Surfaces in contact with fertilizer are given a synthetic plastic protective coating, and stainless steel is used for the fertilizer distribution mechanism.

Heavy-duty roller bearings on the press wheels, and pre-lubricated, bronze bearings on the hopper drive shaft are hidden points of quality you'll appreciate.

TRACTOR MOUNTED

in One Minute with 3-Point Attachment

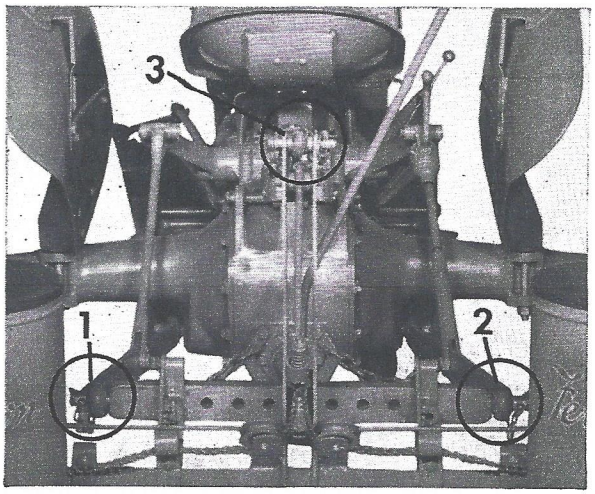
In sixty seconds, you can find out how fast and easy it is to attach or detach the Ferguson Drill Planter.

Just follow these simple steps: The tool bar (shown at right) holds the two planting units of the Ferguson Drill Planter. It attaches to the two lower links of the Ferguson 3-Point Attachment hitch at (1) and (2). The upper link connects with the upper hitch point on the Planter frame at (3).

3-Point Attachment also offers these added advantages:

"Eyes-Ahead" Planting. The Planter accurately follows the path of the tractor front wheels. Due to the skillfully engineered method of attaching the Planter to the Tractor, both Planter and Tractor are integrated so that the two operate as a single unit. You can plant and follow contours uniformly with "eyes-ahead" confidence.

Shorter Turns. With the Ferguson 3-Point Attachment, the two Planter units are placed directly behind the Ferguson Tractor. In this position the operator can make shorter turns, and maneuver the Tractor and Planter more easily around any obstruction.

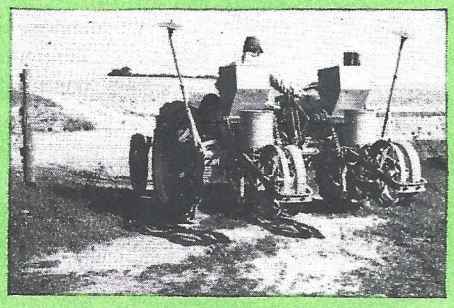


Finger Tip Control

With Ferguson Finger Tip Hydraulic Control you can lift or lower the Ferguson Drill Planter throwing the planting mechanism in or out of gear right from the Tractor seat.

A touch of the Finger Tip Lever raises the Planter for road-speed travel to and from the field. Lowering the Finger Tip Lever at the field places the Planter on the ground with planting mechanism ready to operate.

At the end of the row, a touch of the Finger Tip Control Lever raises the Planter instantly. The planting markers raise automatically with the Planter. After the turn, another touch of the Finger Tip Control Lever lowers the Planter, placing it in operation. The proper marker is tripped, and you can start back through the field . . . all without stopping the Tractor . . . without leaving the Tractor seat or losing valuable time.



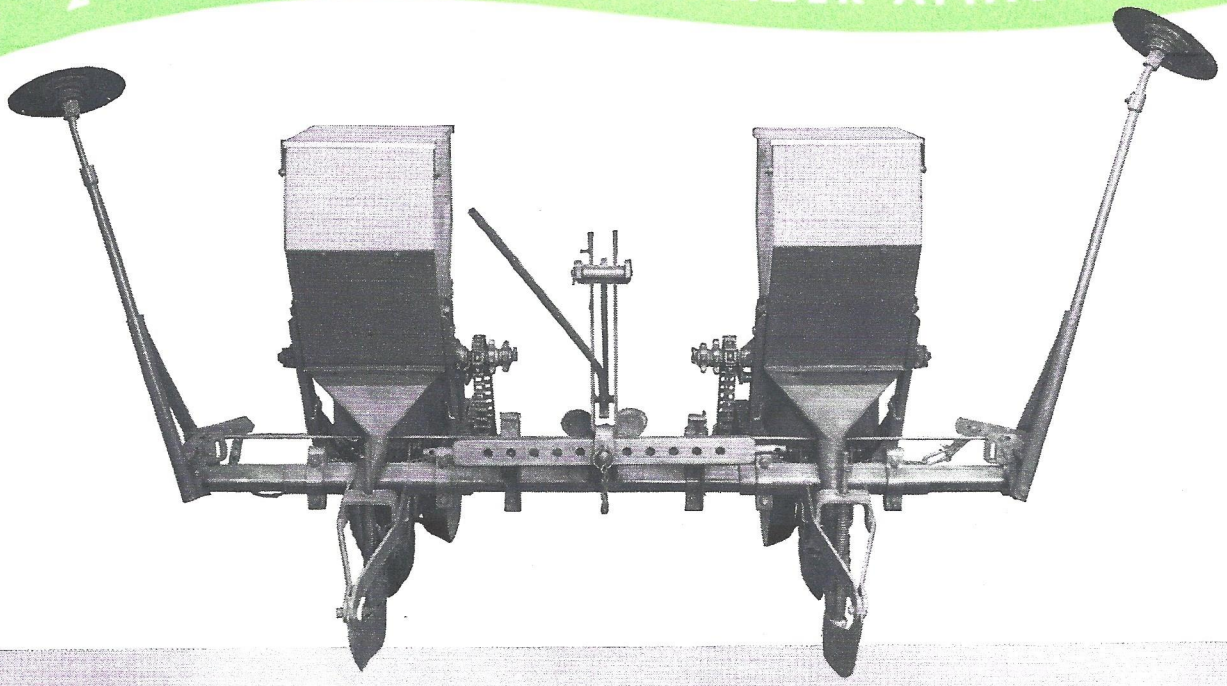
Easy gate clearance with Planter raised.

Starting headland turn with Planter raised.

Completing headland turn, all in one swing.

Ready to start next row with Planter.

200 LB. CAPACITY FERTILIZER ATTACHMENT



Extra capacity . . . convenient loading height, and rugged construction are all built into the Ferguson Fertilizer Attachment. Best of all, you won't have to carry partially filled bags or refill the hopper before the row is completed. Just dump the full contents of a 100-lb. bag of fertilizer in each hopper. It will take it all, with room left over.

When you lift the hopper lid, observe the simplicity of the working parts. A stainless steel, fluted bar extends across the hopper bottom. A chain drive revolves the bar at a predetermined speed to carefully meter out the contents. The metering plate may be adjusted for damp or very dry fertilizer.

Rate of application may be varied from 75 to 500 lbs. per acre in increments of 25 lbs. By consulting the handy fertilizer chart located in the hopper lid, the correct fertilizer combination sprocket for the corresponding seeding rate can be easily determined.

FERTILIZER PLACED WHERE YOU WANT IT

Fertilizer placement that meets your crop requirements and soil conditions is important to you. With the Ferguson Fertilizer Attachment, fertilizer can be placed in a band up to 2″ on *either side* of the row or *directly below* the seed. The runner shoe can be adjusted up or down in approximately 1″ steps, to a depth of 5″.

"The Ferguson Drill Planter," report engineers of a leading agricultural college, "is the only Planter on the market today that will accurately place fertilizer at the desired depth *BELOW* the seed of corn."

Such placement, they report, allows the seed kernel to establish a root system before it contacts the fertilizer. This eliminates the "burning" of tender brace roots that often occurs when fertilizer is placed too close to the side of the seed.

NONCLOGGING

Notice the agitator plate that extends across the full surface of the fertilizer hopper side. Cam-operated from the square metering bar, it helps prevent bridging or clogging of fertilizer. The hopper sides are slanted to funnel the fertilizer to the metering bar. The fluted bar is made from stainless steel to prevent rusting.

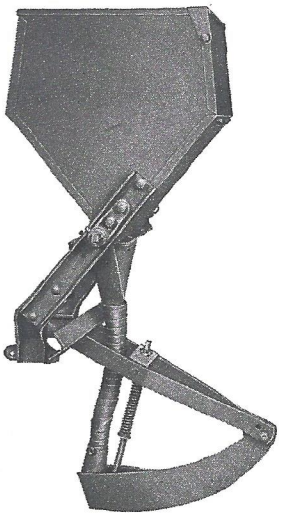
CORROSION RESISTANT

All metal areas that contact the fertilizer have been thoroughly coated at the factory with special Ferguson Protective Coating. Stainless steel moving parts and easy access to the working parts of the hopper for cleaning also aid in preventing corrosion.

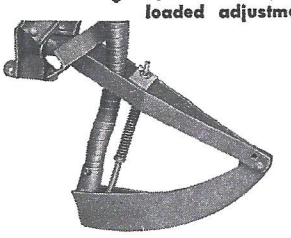
RUNNER OPENERS

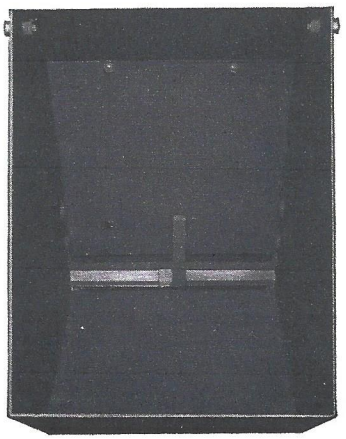
Welded, heavy-duty, high-carbon steel runner openers, have been given an extra-smooth finish on the soil engaging surface to prevent sticking or gumming-up in heavy soils.

The Ferguson Fertilizer Attachment combines rugged construction, simplicity of design—extra-large capacity.



Fertilizer runner opener with spring-loaded adjustment.

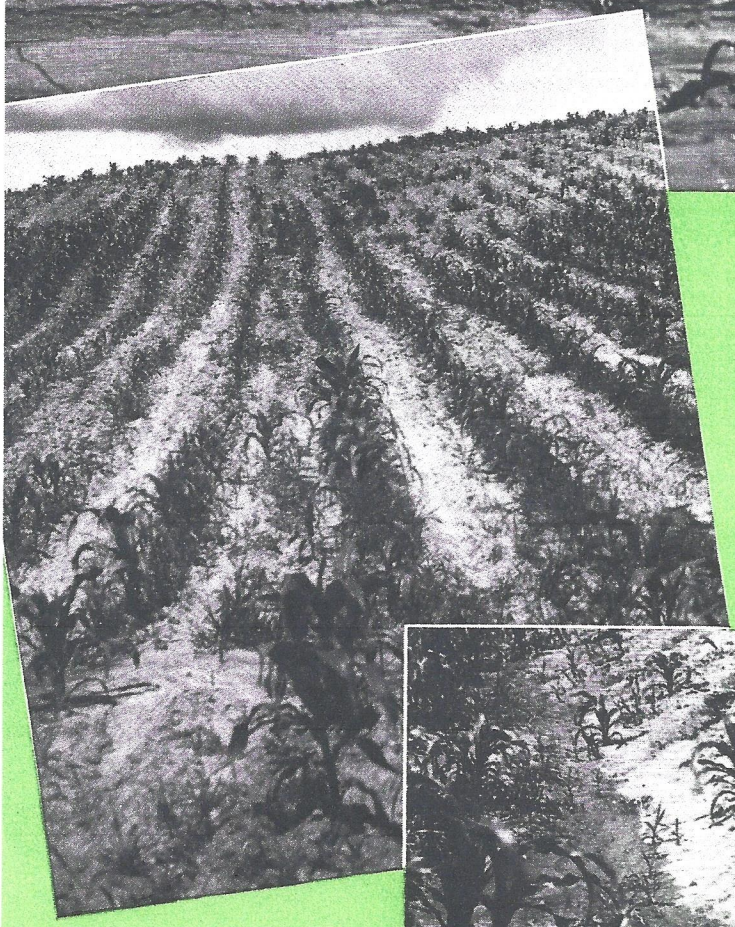




View of hopper interior showing fluted bar and agitator plate at the side. Note sloping sides that prevent build-up.

Checkrow Planting...

STRAIGHT DOWN THE HILL *DID THIS*



CHECKROWED CORN planted up and down this hillside in Clayton County, Iowa, has allowed tons of valuable topsoil to wash away, leaving POOR crop—POOR soil—NO profits.

DO YOU throw away thousands of dollars every planting season? The time when people used to light cigars with ten dollar bills has gone forever, but some farmers—maybe your neighbors, perhaps even you, are losing thousands of dollars, just as needlessly . . . *BY CHECKROW PLANTING THAT IGNORES CONTOUR LINES.*

Contour lines form the designs of nature. They are invisible boundary lines enclosing soils that lie on the same level or elevation. Ignoring nature . . . crossing natural boundary lines, and checkrow planting crops in straight, "up-and-down-the-hill" rows invites soil loss. Heavy rains help make every straight row a muddy racetrack, carrying away from the field thousands of dollars of soil, humus and plant nutrients.

SHEET EROSION caused the bare spot in this field near Casnovia, Michigan. Rain washing across the face of the hill carried seed and soil down the plant rows.

IGNORING CONTOUR LINES and crossing a soil conservation terrace allowed rains to erode the land between the rows. Notice how silt fans have built up across the terrace.

DRILL PLANTING INCREASES YIELDS

Drill planting on the contour cuts down erosion, helps hold water where it falls and allows it to seep into the soil where it is stored for future use instead of carrying soil and needed nutrients away from the field.

In Iowa, a Soil Conservation Station reported that drill planted corn on the contour saved over 22 tons of soil per acre in comparison with up and down, checkrow planting.

CONSIDER THESE FACTS

If you checkrow corn instead of planting on the contour you'll want to consider the results of these long-time tests.

Research men at the University of Illinois, having completed a 7-year project on 124 Illinois farms, reported that the yield per acre of corn, drill planted on the contour, was 12% above that of checkrowed corn.

Translated into livestock-carrying capacity, the experiment spells larger herds and flocks for farmers who drill plant corn on the contour.

SEED SPACING

Checkrow planting, with the seeds all together in a hill, places each seed in direct competition for water and nutrients with the others in the hill. Spacing the seed along the row reduces the competition and gives each seed the maximum chance for growth. With the Ferguson Drill Planter's flexibility of adjustment, you can place seed as close together or far apart, along the row, as desired to meet any soil condition.

EASIER PICKING

Picking is smoother and cleaner, on drilled corn. The stalks and ears pass through the picker in an even flow. Checkrowed corn forces the picker to take the stalks in clumps, putting repeated, sudden strains on the whole picker assembly.

CLEAN CULTIVATION

Clean cultivation with drilled corn can be easy—time saving—with Ferguson equipment.

For early cultivation, the Ferguson Spring Tine Weeder and the Ferguson Rotary Hoe provide "in-the-row" as well as "between-the-row" cultivation. They rip out the smaller weeds and leave the more sturdy corn plants unharmed.

At a more mature stage, the larger plants will shade out most weeds in the row, while the Ferguson Cultivators keep "between-the-rows" clean.

Notice the clean, sturdy rows of this Clayton County, Iowa, corn, drill planted on the contour. It effectively reduced erosion on a relatively short 6% slope.

Accurate Performance on the Contour or Straightaway

Design . . . engineering . . . and performance combine in the Ferguson Tractor and Drill Planter for sure, flexible planting.

"Eyes-Ahead" Planting, because of the Ferguson System Implement linkage, you can keep your eyes ahead following the marker guide line. The Planter accurately follows the front wheels of the Tractor.

3-Point Attachment links the Planter closely to the Ferguson Tractor. Allows easy, quick turns . . . sure maneuverability on the contour, or flatland.

Finger Tip Control lifts and lowers the Planter for easy control of planting operation . . . finishing off point rows . . . making quick turns . . . avoiding obstructions.

Planting on the contour only requires that you locate and mark the contour lines on your field, and then plant each row following the nearest contour line.

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for FASTER positive drill planting of row crops

SPECIFICATIONS

ATTACHMENT: The Drill Planter drawbar makes 3-Point Attachment to Ferguson System. Individual Planter units clamp to the tool bar frame.

FRAME: Tool bar type . . . pins to Planter drawbar.

OVER-ALL WIDTH, markers raised . . . 8′ 4″.

DISTANCE FROM GROUND TO TOP OF FERTILIZER HOPPER . . . 46″.

SEED HOPPERS: Capacity, over ½ bushel each—spring-loaded lids—bottoms precision-machined for accurate seed plate fit—curve downward to empty last few seeds.

PLANTING DEPTH: Regulated by quick pin adjustment at seed runner. High-carbon steel runner openers assure scouring in all soil types. Runner adjustable in units of approximately 1″ from ¾″ above ground to 5″ below.

FERTILIZER ATTACHMENT: Designed to operate with Drill Planter—carries 100 lbs. fertilizer each hopper—distribution from 75 to 500 lbs. per acre—places fertilizer above or below seed or laterally on either side of row.

SHIPPING WEIGHT: 498 lbs.

All field adjustments may be made with the Standard Ferguson Wrench. All bolts, nuts, pins, washers, etc., are cadmium-plated, heat-treated steel for rust resistance and longer life.

Specifications subject to change without notice.

the FERGUSON SYSTEM

SALES **SERVICE**

HARRY FERGUSON, INC., DETROIT 11, MICHIGAN

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