

CASE III

yield-till[®] system
2500 RIP-STRIP



Helping Plants Thrive[®]

COMBINE DEEP TILLAGE AND NO-TILL IN ONE PASS!

If you are looking for the surface-residue retention of no-till, but also want the consistent yield benefits of conventional tillage, the **Case IH 2500 Rip-Strip** is the solution. As the perfect combination of deep tillage and no-till, the **2500 Rip-Strip** addresses yield-limiting factors – such as compaction and cold, wet seed beds – while protecting Highly Erodable Land (HEL). In one pass, the **2500 Rip-Strip** fractures compacted soil while building and conditioning the “strip” that settles uniform, ready for planting.

CROP RESIDUE MANAGEMENT

Effectively managing post-harvest residue through sizing, placement and incorporation creates an environment that will encourage proper seed placement, help protect surface soil and water quality, and conserve resources.

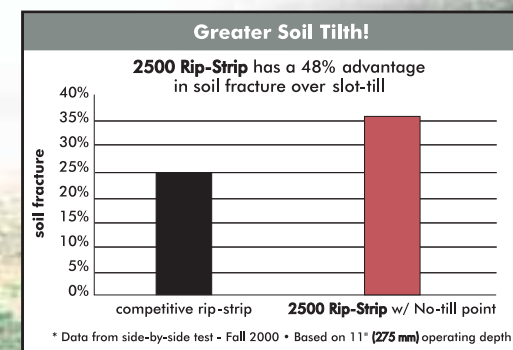
The Case IH **2500 Rip-Strip** manages crop residue with a choice of wavy or flat coulters. Wavy coulters size and part residue, while fracturing the soil surface to initiate seed bed preparation and create a uniform flow through the entire row unit. Then residue is repositioned uniformly across the berm for winter erosion protection and reduced crusting. Flat coulters are intended for farming practices that need more cutting of plant roots, such as those found in cotton production.

SOIL TILTH – IDENTIFYING NEGATIVE EFFECTS OF SOIL COMPACTION

Poor root development, a common yield limitation of no-till, can be caused by compacted soil with limited or poorly distributed pore space (air and water). Proper pore size and distribution is critical for air and water exchange, which improves potential water infiltration and utilization – essential for healthy plant development.

By shattering the compaction layer and reorienting the soil aggregates with its patented **tiger® point** technology, the **2500 Rip-Strip** creates a healthier

soil profile than competitive machines. This improved soil profile allows roots to explore a greater volume of soil and obtain more nutrients, especially during the most critical times of the production cycle. The chart below shows the soil fracture advantage of the **2500 Rip-Strip** over a competitive machine.



The 2500 Rip-Strip manages Crop Residue, improves Soil Tilth, allows Root Zone Banding of Plant Food and creates a better Seed Bed, all in a single pass.

COVER PHOTO: Maximize performance. Take the Case IH 2500 Rip-Strip to new heights with a Case IH STX Steiger® with AccuSteer®.

SOIL MANAGEMENT FOR HIGHER YIELDS

Choose the type of shank you need – No-till or Minimum Residue Disturbance (MRD) – based on the amount of soil flow and fracture you require. The No-till shank and point offer exceptional soil fracture, while maintaining uniform soil flow with minimal bed



blow-out. The MRD shank equipped with the **tiger® point** offers increased fracture and soil movement. Even when using the No-till shank and point, the **2500 Rip-Strip** has a 48% advantage in soil fracture over slot-till. See chart at left (pg. 2).

Effects of Compacted Soil



These roots grew laterally when faced with compaction.

Effects of Greater Soil Tilth



Without compaction, the roots grew downward, exploring a greater volume of soil for increased nutrient availability.

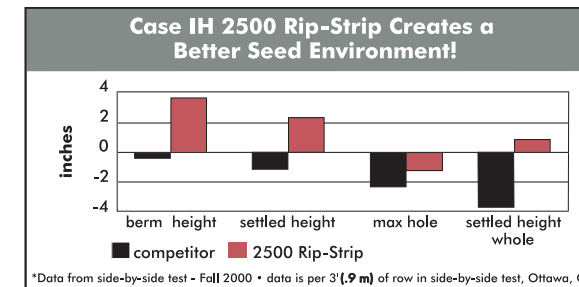
PLANT FOOD AVAILABILITY

Soil nutrient availability is foremost a function of good soil tilth. When the root zone has the ideal balance of soil (minerals and organic matter) and pore space (air and water), roots can explore a greater volume of soil and have more access to nutrients.

Root Zone Banding of fertilizer places nutrients in the root zone for optimum root contact and uptake with reduced tie-up and less surface runoff.

SEED BED CONDITIONS

Slow seed germination and non-uniform plant stands – caused by seed beds that are too cold, wet or dry, or have poor seed-to-soil contact – are common yield limitations in no-till environments. By creating a berm with the **2500 Rip-Strip**, usually 2 to 3 in. (50.8 to 76.2) above the unworked soil surface at planting, the seed bed can dry-down and warm-up faster. This allows for quicker, more uniform stands that utilize sunlight, water and nutrients more effectively. Refer to the chart below to see how seed beds that are created with a **2500 Rip-Strip** have better berm height and smaller holes than those created by the competition.



BUILT TO BE MORE EFFICIENT AND PROFITABLE FOR YOU

Helping Plants Thrive. The **2500 Rip-Strip** was designed to solve the problems of no-till where it is needed most, directly where the seed will be planted. It utilizes a combination of coulters, patented points and shanks, a heavy-duty **berm build'r™** and revolutionary Row Conditioning System (RCS) to tackle the problems and get the job done in a single pass.

In addition to these system components, we've built in versatility, strength and convenience features to improve the productivity of the **2500 Rip-Strip**.

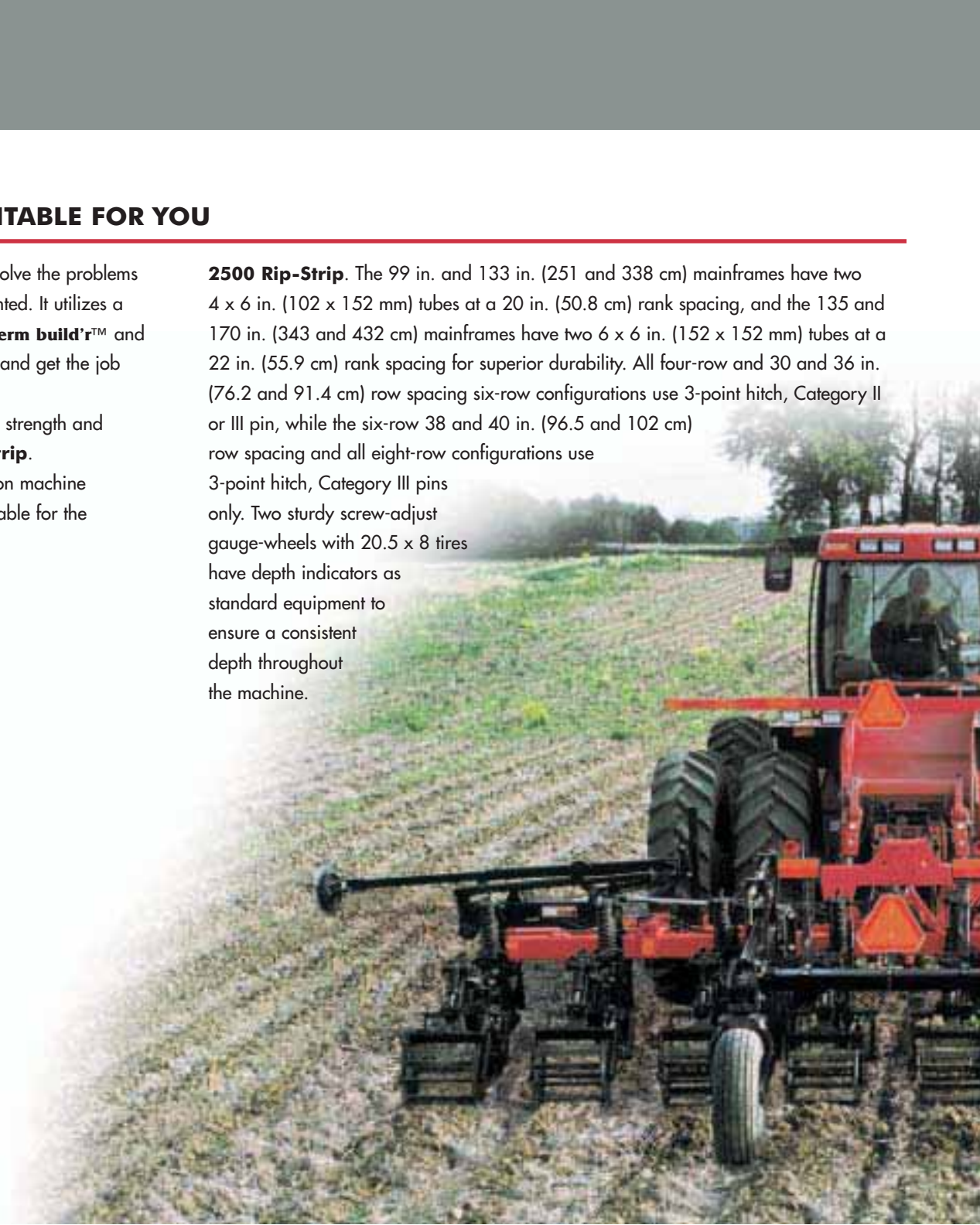
Multiple configurations for valuable versatility. Based on machine size and row spacing, there are four mainframe configurations available for the

2500 Rip-Strip. The 99 in. and 133 in. (251 and 338 cm) mainframes have two 4 x 6 in. (102 x 152 mm) tubes at a 20 in. (50.8 cm) rank spacing, and the 135 and 170 in. (343 and 432 cm) mainframes have two 6 x 6 in. (152 x 152 mm) tubes at a 22 in. (55.9 cm) rank spacing for superior durability. All four-row and 30 and 36 in. (76.2 and 91.4 cm) row spacing six-row configurations use 3-point hitch, Category II or III pin, while the six-row 38 and 40 in. (96.5 and 102 cm) row spacing and all eight-row configurations use 3-point hitch, Category III pins only. Two sturdy screw-adjust gauge-wheels with 20.5 x 8 tires have depth indicators as standard equipment to ensure a consistent depth throughout the machine.

The 2500 Rip-Strip uses 22 in. (55.9 cm) diameter wavy or flat coulters. The coulters part residue without mixing it into the seed bed. The wavy coulters are ideal for reducing clod size and loosening surface soil. For better in-row root cutting and less surface disruption, the flat coulters are the best choice.



The 2500 Rip-Strip offers two shank options to meet the surface and sub surface soil fracturing requirements of most rip-strip farming operations. Select the No-till shank when uniform soil flow is required and the Minimum Residue Disturbance (MRD) shank for greater soil fracturing and maximum soil movement.



STRIP-TILL WITH ROOM (FOR ROOTS) TO GROW

A little lift when it is needed most. Heavy-duty lift-assist wheels, standard equipment as required, minimize hitch stress and help the tractor's 3-point hitch lift the **2500 Rip-Strip** to transport. They feature a stabilizing torque-tube to minimize wobble, ensuring stable transport for many years. Easy and convenient turnbuckles adjust the wheels for level field operation and optimum transport height.

Row markers mark the way. Optional row markers are available for all sizes of the **2500 Rip-Strip** and are key to setting up or straightening existing rows. The hydraulically controlled row markers are easy to adjust and set. Just loosen the lock bolts, pull or push the extension arm, then retighten the bolts. When not in use, they fold neatly onto the mainframe to minimize transport dimen-

Case IH **tiger points** available on MRD Shanks lift, twist and roll the soil, shattering compaction for:

- increased root penetration
- minimal soil erosion
- increased nutrient uptake
- improved water absorption
- improved aerobic activity
- greater yield and profit potential



sions. **Excellent visibility for added awareness.** The **2500 Rip-Strip** meets the latest American Society of Agricultural Engineers (ASAE) lighting standards. The warning signals are positioned above the mainframe to gain excellent visibility, even when the wings are folded. In addition, vehicle awareness reflectors and a Slow-Moving Vehicle (SMV) emblem are included as standard equipment.



The No-till point (shown), available only with the No-till shank, fractures compaction with minimum soil roll and surface disruption. Point choices for the MRD shank are 2 in. (50.8 mm) straight or 5 in. (127 mm) and 7 in. (178 mm) **tiger points**.



Using two 18 in. (457 mm) diameter dull edge disc blades, the heavy-duty **berm build'r** catch loosened soil and fill grooves left by the shank. For situations where aggressive soil engagement is required, a notched blade is also available.



Row Conditioning System (RCS) baskets are available in flatbar, which reduce clod size and fluff, or round-tube, which firm the seed bed. Without mixing it into the seed zone, RCS baskets mulch surface residue, creating greater seed-to-soil contact and promoting early, fast and uniform emergence.

CHOOSE THE OPTIONS THAT WORK BEST FOR YOUR TILLAGE PRACTICE

POINTS



The 7 in. (178 mm) **tiger point** provides up to 60% soil fracturing from the operating depth upward and laterally. This helps maximize water and air movement within the soil profile and allows for optimum root growth.



The 7 in. (178 mm) replaceable tip **tiger point** has a cast tip that can be replaced quickly, making it ideal for large-acreage operations and in rocky conditions.



The 5 in. (127 mm) **tiger point** produces 30-50% soil fracture and requires less horsepower than the 7 in. (178 mm) **tiger point**.



The 8 in. (203 mm) No-till point produces 25-50% soil fracture and leaves 70-95% residue remaining on the surface. It is the perfect choice for Highly Erodible Land (HEL) applications.



The 2 in. (51 mm) straight point produces much less soil fracture and soil tith, but opens a "slot" in the compaction layer. These points help lower horsepower requirements.

COULTERS



Wavy coulters prefracture the surface ahead of the shanks and loosen the soil for use by heavy-duty **berm-build'rs**.



Flat coulters are the choice for better in-row root cutting, typical in cotton applications, and less surface disruption.

ROW CONDITIONING SYSTEMS



Flat-bar baskets reduce clod size and mulch surface residue without mixing it into the seed bed.



Round-tube baskets firm the seed bed and mulch the surface residue without mixing it into the seed bed.

SHANKS



The Minimum Residue Disturbance (MRD) shank provides excellent tillage while leaving the surface relatively undisturbed.

1-1/4 x 4 in.
(31.8 x 102 mm)



No-till shanks provide excellent fracture of compaction with visually disturbance-free tillage.

3/4 x 6 in.
(19.1 x 152 mm)

ROOT ZONE BANDING ATTACHMENTS



Liquid tubes are available for No-till shanks (shown) and MRD shanks with fertilizer holes.

SHANK MOUNTS



The Spring Reset Shank Mount creates 1,800 lbs. (816 kg) trip force to maintain tillage depth and protect the point and shank. Ideal choice for rocky field conditions.



The Shear Bolt Shank Mount is an economical choice for non-rocky areas. (Shank setback also shown.)

SPECIFICATIONS

GENERAL EQUIPMENT	4-Row	6-Row	8-Row
Shank Spacing – in. (cm)	30, 36, 38, 40 (76.2, 91.4, 96.5, 102)	30, 36, 38, 40 (76.2, 91.4, 96.5, 102)	30, 36, 38, 40 (76.2, 91.4, 96.5, 102)
Hitch	Cat II or III	Cat II or III	Cat III
Weight – lbs. (kg)	3,500 to 4,100 (1588 to 1860)	5,300 to 6,700 (2404 to 3039)	7,150 to 8,280 (3243 to 3756)
Double Tube Frame Non-folding – in. (mm)	3/8 x 4 x 6 (9.5 x 101.6 x 152.4)	3/8 x 4 x 6 (9.5 x 101.6 x 152.4)	N/A
Double Tube Frame Folding – in. (mm)	N/A	3/8 x 6 x 6 (9.5 x 152 x 152)	3/8 x 6 x 6 (9.5 x 152 x 152)
Horsepower	30–40 hp/shank (22.4–29.8 dbkW/m/shank)	30–40 hp/shank (22.4–29.8 dbkW/m/shank)	30–40 hp/shank (22.4–29.8 dbkW/m/shank)
20.5 x 8 Gauge Wheels	Standard	Standard	Standard
Shank Mount Options			
Shear Bolt	Optional	Optional	Optional
Spring Reset	Optional	Optional	Optional
TRANSPORT			
SMV Emblem	Standard	Standard	Standard
Warning and Tail Lamps	Standard	Standard	Standard
Transport Width Non-folding – ft. (m)	11 to 13.2 (3.4 to 4.0)	16 to 17.7 (4.9 to 5.4)	N/A
Transport Width Folding – ft. (m)	N/A	12.8 to 13.5 (3.9 to 4.1)	15 to 18.3 (4.6 to 5.6)
Maximum Height with Row Markers – ft. (m)	10 (3.1)	9.5 to 10 (2.9 to 3.0)	10.2 to 11.5 (3.1 to 3.5)
Lift-assist	N/A	Std. when required	Standard
CROP RESIDUE MANAGEMENT			
22 in. (55.9 cm) Diameter Flat Coulters	Available	Available	Available
22 in. (55.9 cm) Diameter Wavy Coulters	Available	Available	Available
SOIL TILTH			
Shanks			
MRD shank – 1-1/4 x 4 in. (31.8 x 102 mm)	Available	Available	Available
No-till shank – 3/4 x 6 in. (19.1 x 152 mm)	Available	Available	Available
No-till shank w/fert. holes – 3/4 x 6 in. (19.1 x 152 mm)	Available	Available	Available
Points			
2 in. (50.8 mm) straight point or 5 in. (127 mm) or 7 in. (178 mm) tiger® points for MRD	Available	Available	Available
8 in. (203 mm) for No-till	Available	Available	Available
PLANT FOOD AVAILABILITY			
3/8 in. (9.5 mm) Liquid Tube			
MRD Shank	Optional	Optional	Optional
No-till Shank (with Optional holes)	Optional	Optional	Optional
SEED BED CONDITIONS			
HD berm build'r	Standard	Standard	Standard
18 in. (457 mm) Diameter Dull Disc Blade	Available	Available	Available
18 in. (457 mm) Diameter Notched Disc Blade	Available	Available	Available
Row Conditioning Systems			
Round-tube Basket	Optional	Optional	Optional
Flat-bar Basket	Optional	Optional	Optional
Row Markers			
Single Fold (non-folding) Frames	Optional	Optional	N/A
Double Fold (folding) Frames	N/A	Optional	Optional

Mainframe

A Frame: Two 4 x 6 in. (102 x 152 mm) rectangular tubes, 99 in. (251 cm) wide, welded at 20 in. (50.8 cm) rank spacing, bolt-on wings when required

B Frame: Two 4 x 6 in. (102 x 152 mm) rectangular tubes, 133 in. (338 cm) wide, welded at 20 in. (50.8 cm) rank spacing, bolt-on wings when required

C Frame: Two 6 x 6 in. (152 x 152 mm) square tubes, 135 in. (343 cm) wide, welded at 22 in. (55.9 cm) rank spacing, hydraulically controlled hinged wings when required

D Frame: Two 6 x 6 in. (152 x 152 mm) square tubes, 170 in. (432 cm) wide, welded at 22 in. (55.9 cm) rank spacing, hydraulically controlled hinged wings when required

Transport Widths and Heights

	Width – ft (m)	Height – ft (m)	Spacing – in. (cm)
4-Row	13.2 (4.0)	10.5 (3.2)	All
6-Row (non-folding)	16.0 (4.9)	10.0 (3.1)	30 (76.2)
6-Row (non-folding)	17.7 (5.4)	9.60 (2.9)	36 (91.4)
6-Row (folding)	13.5 (4.1)	9.50 (2.9)	38 (96.5)
6-Row (folding)	12.8 (3.9)	10.0 (3.1)	40 (102)
8-Row (folding)	15.0 (4.6)	10.2 (3.1)	30 (76.2)
8-Row (folding)	18.0 (5.5)	10.3 (3.1)	36 (91.4)
8-Row (folding)	17.5 (5.3)	10.7 (3.3)	38 (96.5)
8-Row (folding)	18.3 (5.6)	11.5 (3.5)	40 (102)



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WORLDWIDE CASE IH CONTACT INFORMATION

UNITED STATES/CANADA: 700 STATE STREET RACINE, WI 53404 USA

LATIN AMERICA: AV. JUSCELINO KUBITSCHEK DE OLIVEIRA N. 11825 CAIXA POSTAL 14040 CEP 81503 CURITIBA, PARANA, BRAZIL

WESTERN AND CENTRAL EUROPE/CIS: CRANES FARM ROAD BASILDON ESSEX SS143AD ENGLAND

EASTERN EUROPE/AFRICA/ASIA: VIALE DELLE NAZIONI 55 41100 MODENA, ITALY

AUSTRALIA/NEW ZEALAND: 31-67 KURRAJONG ROAD ST. MARYS NEW SOUTH WALES 2760 AUSTRALIA

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