





# MANAGE YOUR SOIL ENVIRONMENT FOR INCREASED YIELDS

IF SOIL MANAGEMENT AND HIGH PRODUCTIVITY PERFORMANCE ARE CRITICAL TO YOUR FARMING OPERATION, THE CASE IH CONSER-TILL 690 IS MADE FOR YOU!

Both 5-shank and 7-shank Conser-till 690 models provide residue management, improved soil tillage and seed bed conditioning... in a single pass. The 690 accomplishes this

by sizing residue, removing compaction and leaving the surface uniformly mulched, leveled and ready for spring cultivation.

The industry-exclusive design of the Conser-till 690 — the combination of shallow-concavity front disk blades, proven Case IH deep parabolic shanks with patented tiger® points and full-concavity rear disk blades — provides superior performance without the speed sensitivity of other machines. As the chart at left shows, when compared to a competitor's 22.5 ft. (6.9 m) machine at

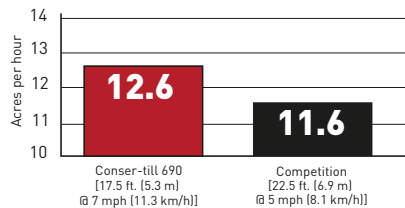
their recommended operating speed of 5 mph (8.1 km/h), the 17.5 ft. (5.3 m) 690 covers more acres per hour than the larger machine. That means greater productivity and performance at less cost to you!

To further improve the productivity of the Conser-till 690, we have included features that will help you get the job done faster and safer. With the independent depth adjustable disk gangs, front and rear, the operator has the ability to adjust the working depth of the disks separately from the shanks. This

feature allows you to fine-tune the machine without spending additional hours bolting and unbolting shank assemblies. Both front and rear disk gangs are attached to the frame with field proven Cushion Gang® components to allow the disk blades to move up and over rocks and obstructions. To ensure long-lasting depth control without relying on hydraulics, Positive Stop Mechanical Depth Control is used to set the operating depth of the walking-beam axle.

For additional operator safety and convenience, the 690 has a swinging hose stand. This stand allows the operator to safely move the hydraulic hoses up and out of the way of the hitch while hooking up the implement and prevents hose damage during tight turns by taking up the hose slack.

## GREATER PRODUCTIVITY FOR SUPERIOR PERFORMANCE



\* Based on 85% efficiency of machine working in the field.



▲ Walking-beam axles enable the Conser-till 690 to float over wet or soft soil and provide a level ride over the roughest field conditions. A stabilizing beam (torque tube) ties the walking tandems together, ensuring proper alignment for a level lift from side to side.



▲ The depth of each gang can be adjusted independently on the 690 by turning one mechanical ratchet-styled turnbuckle (shown). Hydraulic adjustment is also available.



▲ Level the 690 fore and aft with a twist of the turnbuckle, matching the hitch to the tractor's drawbar. No special wrench is required. This constant level hitch holds the frame level for an even and consistent depth throughout the entire working range of the machine.



# CONSER-TILL 690

## IT'S AS EASY AS 1, 2, 3...

1. The Conser-till 690 manages crop residue with the industry's shallowest-concavity disk blades in the front of the machine. This design offers **superior soil penetration** and **excellent residue cutting and flow** without throwing soil beyond the machine. The 12 in. (304 mm) spacing and 6 in. (152 mm) diameter slim center cast spools allow for consistent output on the heaviest residue and soil conditions. The result is **outstanding crop residue management** to increase organic matter content in your soil and decrease erosion through improved soil porosity and drainage.
2. Create an ideal soil composition of soil and pore space (water and air) with the Conser-till 690. To develop **greater soil tilth**, the 690 uses the proven Case IH parabolic shanks with patented winged tiger® points. Together, they shatter compaction to create a mellow, **healthier soil**. Case IH tiger points are the only tillage points in the industry that not only fracture the compaction, but reorient the soil aggregates through a unique lifting, twisting and rolling action. The 690 is available with either spring reset shank mounts or optional shear bolt mounts.
3. To develop the **ideal seed bed conditions** with the **right amount of residue coverage**, the full-concavity rear leveling blades on the 690 aggressively size clods and roll soil. The feathering blades fill in any grooves and take out any ridges between passes. The result is a smooth, evenly distributed field finish — perfect for spring cultivation and planting.

▼ The massive 6 x 8 in. (152 x 203 mm) mainframe is a clean and simple design capable of handling the toughest soil and residue conditions.



Begin to create a level, evenly mulched seed bed with the Conser-till 690, and you can count on **quick germination, uniform plant stands** and **higher yields**. Ask your Case IH dealer for more information about this one-pass soil management system.



1. In the front, 24 in. (610 mm) shallow concavity disk blades on a Unitized Cushion Gang® disk gang manage residue and allow the blades to move up and down over rocks or other obstructions.



2. In the middle, deep tillage parabolic shanks with 2 in. (50.8 mm) straight points or 5 in. (127 mm) or 7 in. (178 mm) winged tiger points fracture compaction and improve soil tilth.



3. In the rear, 24 in. (610 mm) full-concavity leveling blades size clods and minimize variations in soil levelness for an even field finish.

	5-SHANK	7-SHANK
<b>GENERAL</b>		
Working width	12 ft. 6 in. (3.8 m)	17 ft. 6 in. (5.3 m)
Overall length	30.1 ft. (9.2 m)	31.4 ft. (9.6 m)
Transport width	15.9 ft. (4.9 m)	18 ft. (5.5 m) w/hydraulic fold option 21.8 ft. (6.6 m) non-folding
Hitch	Single-strap, clevis	Single-strap, clevis
Swinging hose stand	Standard	Standard
Weight – lbs. (kg)	9,680 (4391)	11,960 (5425)
Mainframe – in. (mm)	6 x 8 x 0.4 & 6 x 6 x .4 (152 x 203 x 10.2 & 152 x 162 x 10.2)	6 x 8 x 0.4 & 6 x 6 x .4 (152 x 203 x 10.2 & 152 x 162 x 10.2)
Subframe – in. (mm)	6 x 6 (152 x 152)	6 x 6 (152 x 152)
Axles	Walking tandems	Walking tandems
Tires size & number	12.5L-15, 8 ply (4)	12.5L-15, 8 ply (4)
Wheel size	6-bolt heavy-duty w/replaceable spindles	6-bolt heavy-duty w/replaceable spindles
<b>TRANSPORT</b>		
SMV emblem	Standard	Standard
Transport locking system	Depth collars	Depth collars
Warning & tail lights	Standard	Standard
Safety chain	Standard	Standard
<b>DEPTH ADJUSTMENT</b>		
Main lift/shanks	Mechanical (depth collars)	Mechanical (depth collars)
Front disks	Standard – mechanical (ratchet adjust) Optional – hydraulic	Standard – mechanical (ratchet adjust) Optional – hydraulic
Rear leveling disks	Standard – mechanical (ratchet adjust) Optional – hydraulic	Standard – mechanical (ratchet adjust) Optional – hydraulic
<b>HYDRAULICS</b>		
Main lift	Positive stop depth control	Positive stop depth control
<b>CROP RESIDUE MANAGEMENT</b>		
Front disk blade number/size	10/24 in. (610 mm), 2/22 in. (559 mm)	16/24 in. (610 mm), 2/22 in. (559 mm)
Front disk blade spacing	12 in. (305 mm)	12 in. (305 mm)
Front disk bearings — Standard	Cartridge type regreasable, self-aligning ball bearing	Cartridge type regreasable, self-aligning ball bearing
Front disk bearings — Optional (Rock Cushion)	Precision type regreasable, trunnion mounted	Precision type regreasable, trunnion mounted
Front gang arbor bolt	1.5 in. (38.1 m) square spring steel	1.5 in. (38.1 m) square spring steel
Front gang disk spool	6 in. (152 mm) heavy-duty cast spool	6 in. (152 mm) heavy-duty cast spool

	5-SHANK	7-SHANK
<b>CROP RESIDUE MANAGEMENT (Cont'd.)</b>		
Front gang mounting	Unitized Cushion Gang® C-spring	Unitized Cushion Gang® C-spring
Front disk gang angle	18°	18°
Operating depth	3-5 in. (76.2-127 mm)	3-5 in. (76.2-127 mm)
Mud scrapers	Rigid spring steel type	11,960 (5425)
<b>SOIL TILTH</b>		
Type of shank	Parabolic	Parabolic
Number of shanks	5	7
Shank mount	Spring reset or shearbolt	Spring reset or shearbolt
Shank spacing	30 in. (762 mm)	30 in. (762 mm)
Shank size	1.3 x 3 in. (33 76.2 mm)	1.3 x 3 in. (33 76.2 mm)
Shank clearance	35.5 in. (902 mm)	35.5 in. (902 mm)
Shank trip load	1,800 lbs. (817 kg)	1,800 lbs. (817 kg)
Shank trip height	12 in. (305 mm)	12 in. (305 mm)
Max. operating depth	14 in. (356 mm)	14 in. (356 mm)
Secondary shear-bolt protection	Yes	Yes
Points	2 in. (50.8 mm) straight point, 5 or 7 in. (127 or 178 mm) tiger® points available	2 in. (50.8 mm) straight point, 5 or 7 in. (127 or 178 mm) tiger® points available
<b>SEED BED CONDITIONING</b>		
Rear leveling disk blade number/size	12/24 in. (610 mm), 2/22 in. (559 mm)	18/24 in. (610 mm), 2/22 in. (559 mm)
Rear gang arbor bolt	1.5 in. (38.1 m) square spring steel	1.5 in. (38.1 m) square spring steel
Rear disk mounting	Unitized Cushion Gang® C-spring	Unitized Cushion Gang® C-spring
Rear disk gang spools	4.5 in. (114 mm) cast spool	4.5 in. (114 mm) cast spool
Rear disk gang bearings — Standard	Cartridge type regreasable, self-aligning ball bearing	Cartridge type regreasable, self-aligning ball bearing
Rear disk gang bearings — Optional (Rock Cushion)	Precision type regreasable, trunnion mounted	Precision type regreasable, trunnion mounted
Rear disk blade spacing	12 in. (305 mm)	12 in. (305 mm)
Rear disk gang angle	16°	16°
Operating depth	3-5 in. (76.2-127 mm)	3-5 in. (76.2-127 mm)
Mud scrapers	Rigid spring steel type	11,960 (5425)
<b>POWER REQUIREMENTS</b>		
Drawbar hp (kW) required	125-250 (93.2-186)	175-350 (131-261)
Drawbar hp/ft. (kW/m)	10-20 dbhp/ft. (24.5-48.9 dbkW/m)	10-20 dbhp/ft. (24.5-48.9 dbkW/m)



**Safety Never Hurts!™** Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

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Availability of some models and equipment builds varies according to the country in which the equipment is used.