



# 2023 - EQUIPMENT CATALOGUE



**EXPERIENCE AND INNOVATION  
AT YOUR SERVICE!**

# LA SOLE INC WHO ARE WE ?

We are a proud family enterprise, in business since 1994 in the design, manufacturing and sale of agricultural machinery.

Our initial product, the Double Blade, is a revolutionary method of land leveling and seedbed preparation. Since then we have expanding our product range with the Super Blade; two subsoiler models, the MFC and the MAX Subsoiler; our tile plow and tile stringer; and most recently a disc ripper named Tridem.

Our business objective is to supply our customers with soil management machinery which not only innovative but of the highest quality, which can only increase crop yield. You deal directly with the manufacturer, getting the best advice on which machine to buy and how to use it efficiently. We can even modify the product to answer your specific needs.

**Contact us, it will be a pleasure to answer  
any questions you may have.**



**La Sole Inc. • 290, 1st avenue, Ste-Hélène (Québec) Canada J0H 1M0**

**Toll free : 877.772.5233 • T 450.791.4007 • F 450.791.2384**

**Mail : [info@lasole.ca](mailto:info@lasole.ca) • Web site : [www.lasole.ca](http://www.lasole.ca)**



# Subsoiling and tillage

page 4



**New !  
The Tridem  
page 10**



# Land leveling

page 12



# Drainage

page 18



# What is soil compaction?



Soil compaction is a major factor in low yields. Compacted soil :

- restricts root development and nutrient absorption;
- significantly slows rainwater drainage, resulting in surface water accumulation
- which can cut crop yields;
- during a dry spell, prevents humidity from rising to the root system;
- degrades soil structure.

There are a number of ways to prevent soil compaction : work your soil in dry conditions, reduce axle weights, use larger tires, radial tires, etc.

However, when a field is already compacted, only one method is available to correct the problem rapidly : a subsoiler.



## Our subsoilers can help you!

Our subsoilers, the **MAX Subsoiler**, the **MFC** and the **Tridem**, are attached to the 3-point hitch and very maneuverable. They have a non-stop cabin controlled hydraulic reset system. Their shanks are in W formation to eliminate soil accumulation.

We have the subsoiler to suit your needs :

- remove surface compaction with the chisel fitted **MFC** or the **Tridem**, with a working depth of 6 to 14 inches;
- breakup the plough-pan with the subsoiler (minimum till or standard) fitted **MFC**, with a working depth of 10 to 20 inches;
- breakup deep compaction with our the **MAX Subsoiler** which works at a depth of 16 to 28 inches.

Furthermore, the **MFC** can be setup for zone tilling, working at a depth of 4 to 20 inches. Zone tilling works in a vertical path which favors deep root development (as opposed to wide root development) but does not decompact the soil.

# The MAX Subsoiler



- 1 Gauge wheel
- 2 Hydraulic pressure gauge
- 3 Double dual-beam construction frame
- 4 Oil accumulator for the non-stop hydraulic reset system

## Features of the MAX Subsoiler :

- working depth : 16 to 28 in;
- clearance under shank support : 36 in;
- trip force : 4500 to 7500 lb;
- distance between shanks: 30 in.

## Advantages of the hydraulic reset system :

- Adjustable working pressure from the cabin, allows using minimum pressure necessary to leave rocks in the soil;
- Automatic reset;
- Single action cylinders built similar to double action cylinder for longer durability;
- Better shock absorption.



# The MFC



- 1 Gauge wheel
- 2 Hydraulic pressure gauge
- 3 Triple beam construction frame
- 4 Oil accumulator for the non-stop hydraulic reset

## Features of the MFC :

- working depth : 6 to 20 in;
- clearance under shank support :28 in;
- subsoiler trip force : 3000 to 5000 lb;
- chisel trip force : 1600 to 2700 lb.

## MFC possible configurations :

- Minimum till subsoiler \*;
- Standard Subsoiler \*+;
- Standard subsoiler/chisel combination +;
- Shallow or deep zone till \*.



+ Deflectors (optional)



\*Coulters (optional)

## Spike, cage or packer roller



- 1 Adjustable scrapers
- 2 Quick hitch system
- 3 Recessed triple lip bearings
- 4 Hydraulic control for depth adjustment

If you want to do extra work behind the **Max Subsoiler** or the **MFC**, we have the right roller for your needs:

- roughly break up clods with one or two reversible spike rollers;
- crumble more finely with one or two cage rollers;
- equalize the soil surface with a packer roller.

The height adjustment is done from the tractor to give you complete control over the results. In transport, this adjustment allows the roller to be positioned above the subsoiler in order to bring its weight closer to the tractor.

These rollers fit on all of our subsoiler or ripper models, new or used.





# The MAX Subsoiler and the MFC : technical data

Setup ↓ Depth (in) ↔ Spacing (in)	Shank	Point	Number of shanks	Working width (ft)	Min power required (HP)	Total weight (lb)
MAX Subsoiler ↓ 16 to 28 ↔ 30			3	7 ½	150 à 225	3000
			5	12 ½	250 à 375	4700
			7	17 ½	350 à 525	6900
CMF Minimum till subsoiler ↓ 10 to 20 ↔ 30			3	7 ½	90 à 150	2100
			4	10	120 à 200	2500
			5	12 ½	150 à 250	3300
			6	15	180 à 300	3700
CMF Standard subsoiler ↓ 10 to 20 ↔ 30			3	7 ½	90 à 150	2100
			4	10	120 à 200	2500
			5	12 ½	150 à 250	3300
			6	15	180 à 300	3700
CMF Deep stubble ↓ 6 to 20 ↔ 15			7	8 ¾	130 à 230	3300
			10	12 ½	190 à 325	4400
			13	16 ¼	250 à 440	5500
CMF Standard subsoiler with chisel ↓ 6 to 20 ↔ 15			3 + 4 chisel	8 ¾	130 à 230	2700
			4 + 5 chisel	11 ¼	170 à 300	3300
			5 + 6 chisel	13 ¾	210 à 370	4200
			6 + 7 chisel	16 ¼	250 à 440	4800
CMF Shallow zone-till ↓ 4 to 10 ↔ 30			3	7 ½	60 à 105	1800
			4	10	80 à 140	2100
			5	12 ½	100 à 175	2700
			6	15	120 à 210	3000
CMF Deep zone-till ↓ 10 to 20 ↔ 30			3	7 ½	75 à 120	2100
			4	10	100 à 160	2500
			5	12 ½	125 à 200	3300
			6	15	150 à 240	3700

# A new disc ripper



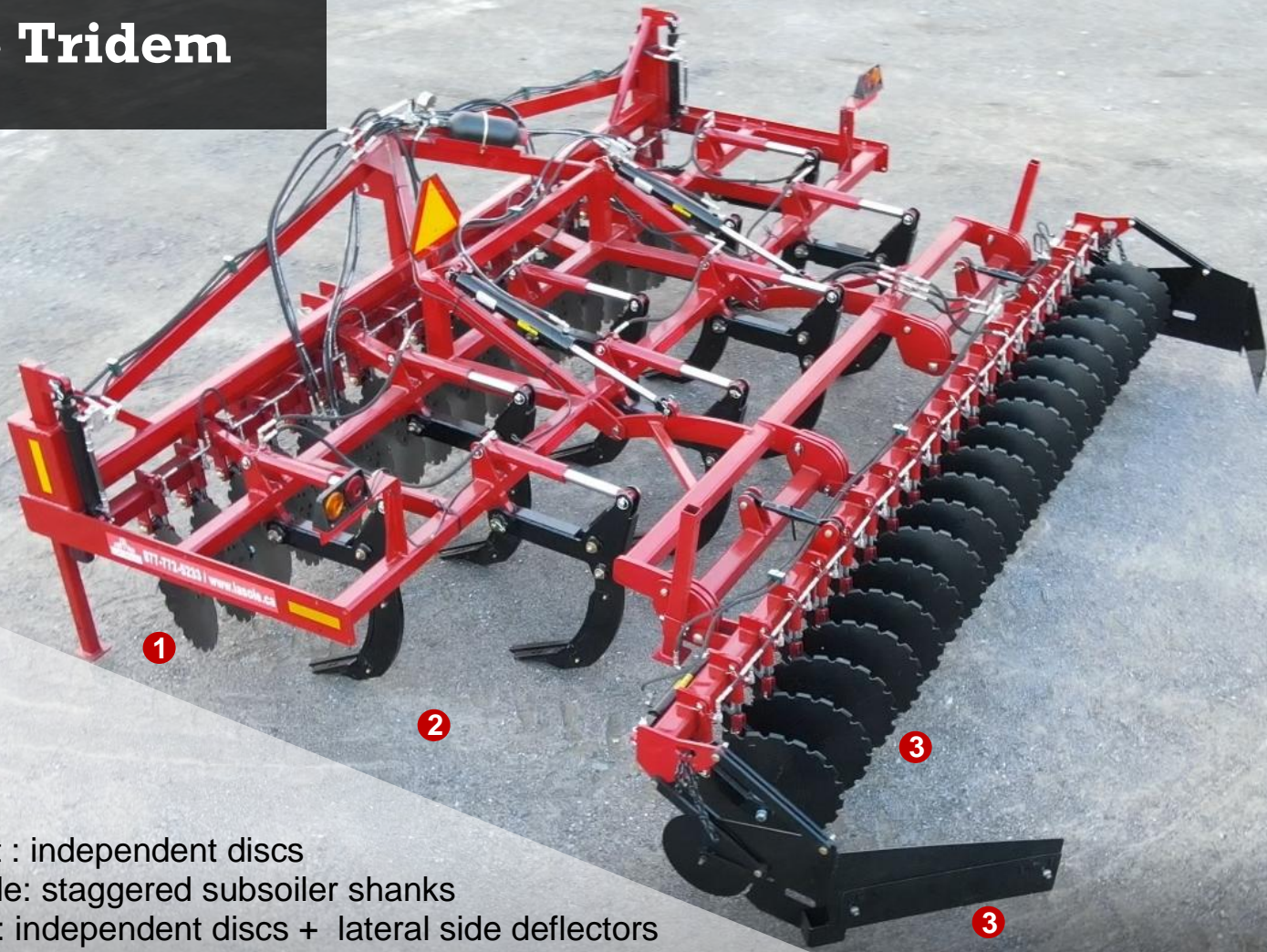
The result of two years of development and testing, here is our brand new equipment for post-harvest tillage: the **Tridem**.

The **Tridem** is a combination of shank/disc (disc ripper) **carried a 100% by the tractor**. This makes for a very manoeuvrable piece of equipment, requiring less power and is more affordable than the conventional wheel carried disc ripper. Here are some features:

- 4 to 20 in working depth;
- independent tines and discs with hydraulic non-stop release;
- tine spacing: 2 in in two rows (4 in per row);
- clearance under the tine: 28 in;
- disc spacing: 5 in in two rows (10 in per row);
- height of each row of discs is hydraulically adjustable from tractor;
- discs with sealed harrow-type hubs;
- choice of solid or notched discs, 24 in diameter.



# The Tridem



- 1 Front : independent discs
- 2 Middle: staggered subsoiler shanks
- 3 Rear: independent discs + lateral side deflectors

For maximum versatility, the height of each row of discs adjusts hydraulically independent of the chassis:

- the lowest discs work at the same depth as the shanks;
- the highest discs are 16 in above the shanks.

The **Tridem** is at the same time a harrow, a chisel and a subsoiler. The **Tridem** will surely do work to your liking!

Model	Number of shanks	Number of discs	Working width (ft)	Min power required (HP)	Total weight (lb)
520	5	22	9	200	6000
720	7	30	12	275	7500
920	9	38	15	350	9500



## Land leveling, a winning proposition!

Today, a widely accepted fact : excellent surface drainage is vital to be successful at obtaining high crop yield. Rapid surface water evacuation will go a long way to help gain higher thermal units. Removing water collecting depressions in your fields contribute directly to your crop yield. The use of our **Double Blade** or **Super Blade** will pay for itself in short order.

Decades of experience can be placed at your service with advice in choosing the correct **Double Blade** or **Super Blade** for :

- leveling or rounding (crown) your fields;
- fill in unused or useless ditches;
- fill in depressions or remove rises.



## Our levelers can also be used for seedbed preparation!

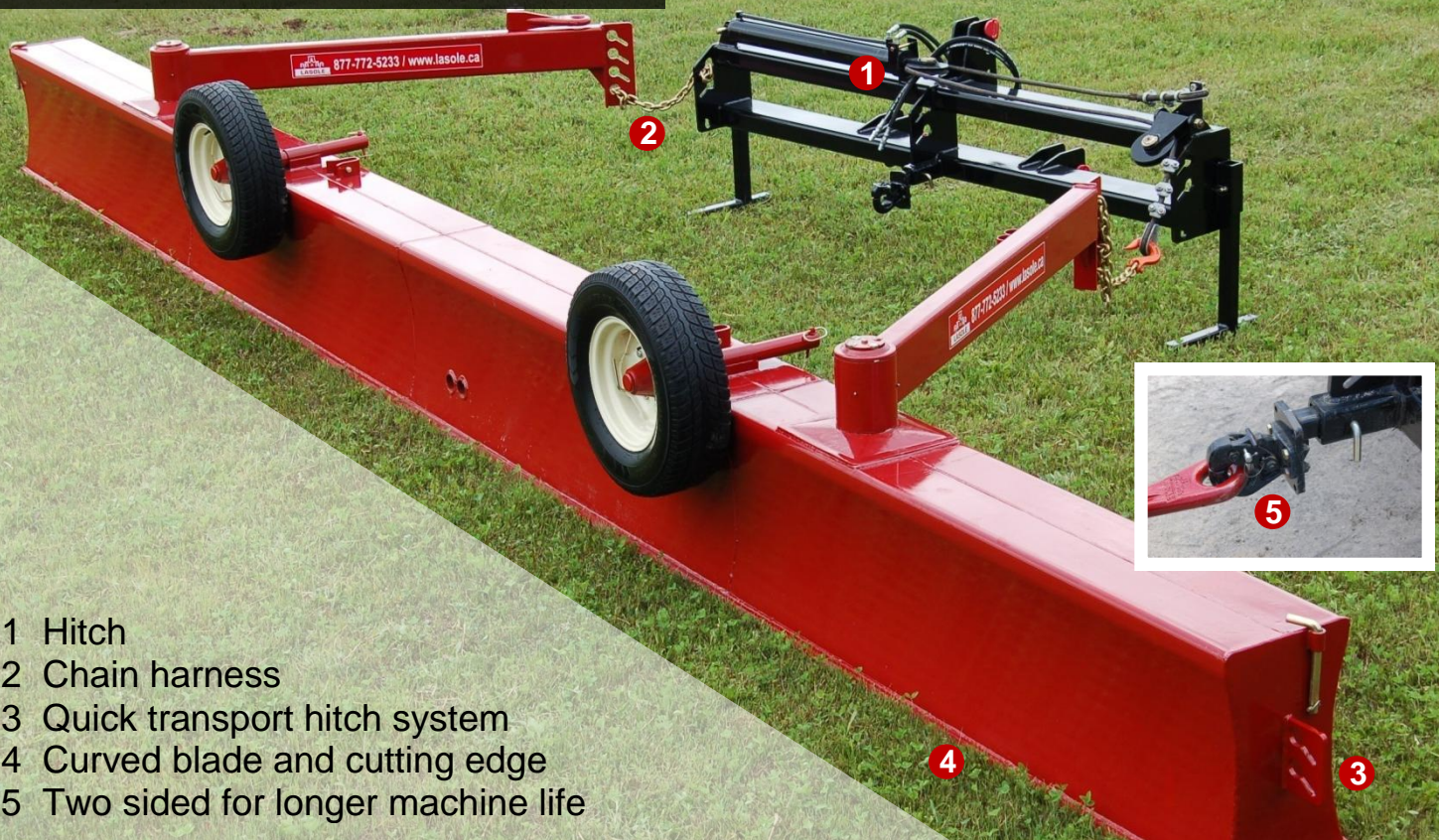
The **Double Blade** and the **Super Blade** are more than simple levelers. Before sowing, use the **Double Blade** or the **Super Blade** to :

- correct imperfections caused by primary tillage;
- refine the ditch edges;
- eliminate surface soil clods and rocks.

A consequence of the passage of the **Double Blade** or the **Super Blade** is the trapping of humidity and heat just below the surface. This results in raising the soil temperature with a level of humidity which will promote maximum and rapid seed germination.

Since the ground is level with no rocks on the surface, harvesting is improved both in speed and reduced chance of breakage.

# The Double Blade



- 1 Hitch
- 2 Chain harness
- 3 Quick transport hitch system
- 4 Curved blade and cutting edge
- 5 Two sided for longer machine life

## How does the Double Blade work?

- Lower the 3 point hydraulics and the Double Blade loads with soil, raising empties it. The two long pivoting arms makes the Double Blade a precision machine.
- Shortening the right chain keeps the soil on the Double Blade, lengthening empties the soil in a row at the far edge of the Blade.



Option, the angling assembly, is the equivalent to lengthening or shortening the right chain and all from inside the tractor cabin.

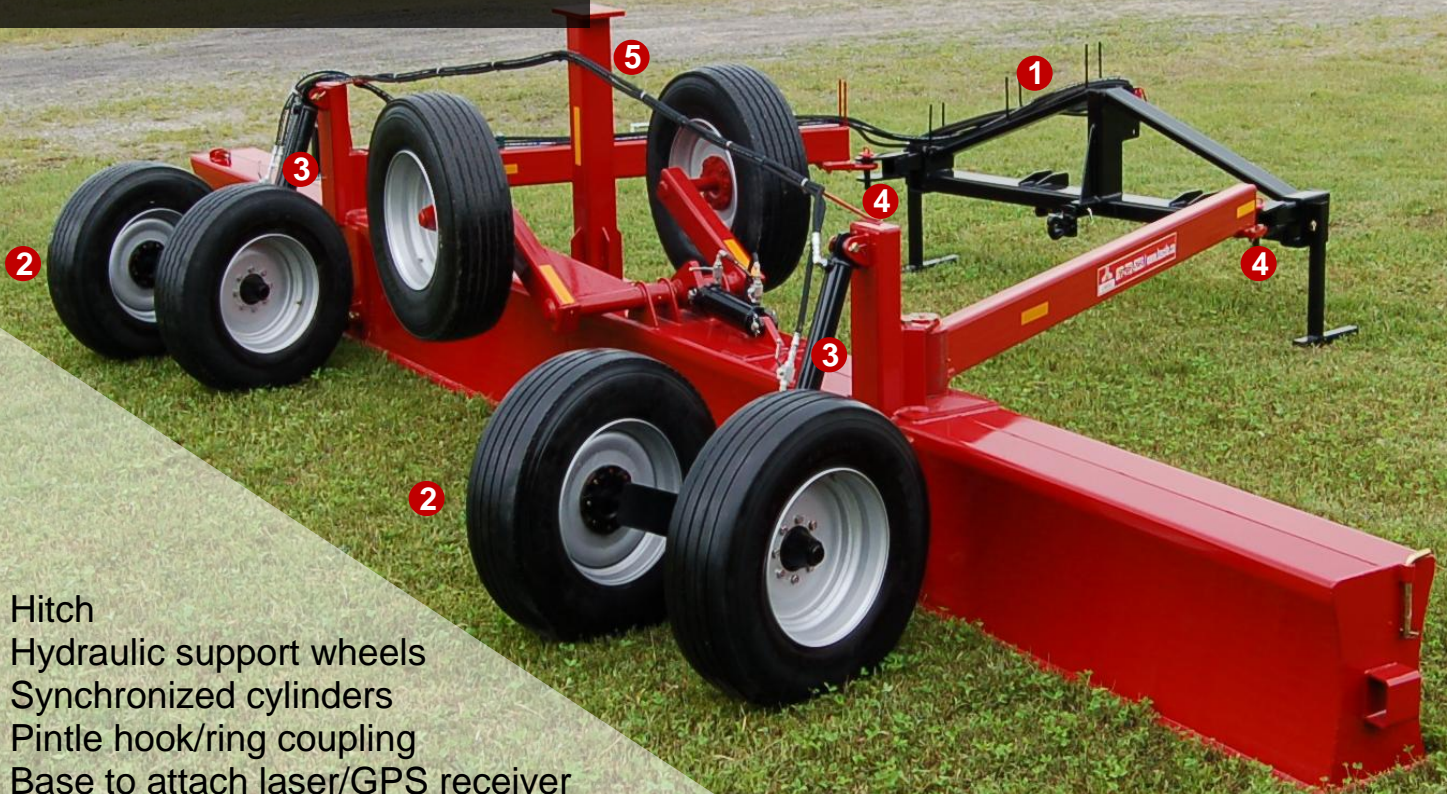
Option, hydraulic road wheels.

# The Double Blade: technical data

Model	Length (ft)	Min power required (HP)	Frame width (ft)	Total weight (lb)
Econo model 5 HP / ft 16 in width 22 in height Cutting edge 3/4 in Blades 1/4 in	16	80	5	3000
	20	100	6	3400
	24	120	7	3800
	28	140	9	4200
	32	160	10	4600
	36	180	11	5000
B model 5 HP / ft 16 in width 22 in height Cutting edge 7/8 in Blades 3/8 in	16	80	5	4000
	20	100	6	4500
	24	120	7	5000
	28	140	9	5500
	32	160	10	6000
	36	180	11	6500
A model 7.5 HP / ft 19.5 in width 27 in height Cutting edge 7/8 in Blades 3/8 in	28	200	9	6700
	32	225	10	7300
	36	250	11	7900
	40	275	12	8500



# The Super Blade



- 1 Hitch
  - 2 Hydraulic support wheels
  - 3 Synchronized cylinders
  - 4 Pintle hook/ring coupling
  - 5 Base to attach laser/GPS receiver
- Compatible with laser/GPS systems**

## How does the Super Blade level?

- Raising/lowering the hydraulic 3 point system adjusts the blade angle of the **Super Blade**.
- Raising/lowering the hydraulic support wheels controls the amount of soil the **Super Blade** will displace.
- Raising/lowering only the right hydraulic support wheels controls the horizontal angle, for example to better refine the edge of a ditch.

**To prepare a seed bed**, raise the hydraulic support wheels completely out of the way to ensure that no tire tracks are produced and use the 3 point hydraulics to load/empty the Super Blade.



The Super Blade set a 15 degree angle. This setting requires less tractor power and will produce the best finish.



The hydraulic system set at an angle.



# The Super Blade: technical data

Model	Length (ft)	Min power required (HP)	Hitch width (ft)	Total weight (lb)
B Model 5 HP / ft 16 po width 22 po height	24	120	6	6500
	28	140	7	7000
	32	160	8	7500
	36	180	9	8000
A Model 7.5 HP / ft 19.5 po width 27 po height	28	200	7	8700
	32	225	8	9300
	36	250	9	9900
	40	275	10	10500
AA Model 10 HP / ft 22 po width 32 po height	32	320	8	11500
	36	360	9	12200
	40	400	10	12900
	44	440	11	13600
	48	480	12	14300

As standard : pick-up or truck wheels / Optional: agricultural wheels



**Pick-up wheel**  
245/75-16 10 plies  
Width 10 in  
Diameter 32 in



**A truck wheel**  
315/80-22.5 20 plies  
Width 12.5 in  
Diameter 42 in



**AA truck wheel**  
425/65-22.5 20 plies  
Width 16 in  
Diameter 45 in



**B agricultural wheel**  
15/55-17 14 plies  
Width 15.5 in  
Diameter 34 in



**A agricultural wheel**  
500/50-17 14 plies  
Width 20 in  
Diameter 37 in



**AA agricultural wheel**  
550/45-22.5 12 plies  
Width 21 in  
Diameter 42 in



# Drainage tiles, Get the most from your land



Drainage tiles have proven one of the most effective ways to improve your land. The benefits are many:

- the soil dries much quicker;
- better soil aeration;
- stronger microbial life;
- improved soil structure.

Drainage also has a positive effect on operations and crop yield. It allows:

- to get access to your fields earlier in spring or after a rainfall;
- to sow in a warmer soil because it warms up faster;
- crops have better root development;
- to harvest on a more stable land which will be less prone to soil compaction;
- **finally, to increase productivity and yields.**

# Tile your land, yourself!



«I have a tractor , a laser/GPS system and an excavator . I lack only a tile plow.»

«I have just paid \$ 200,000 to tile my land, a tile plow would have been paid.»

«Why look to others... »

«I could tile when I'm ready.»

If this is the kind of thoughts you have, then you are ready to make the jump to tiling your own land, you will optimize the use of your equipment and you will save a great deal on costs.

Whether for complete tile job or only for corrections, our Tile Plow and Tile Stringer Caddy will contribute to the realization of your projects.

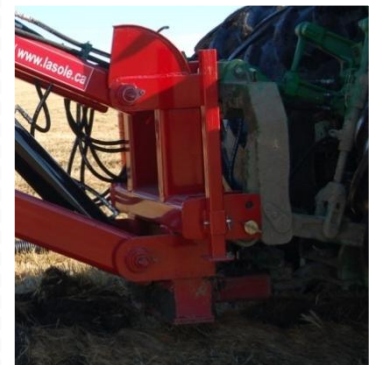
# The LaSole Tile Plow



- 1 Draw-bar attachment
- 2 3-point hitch attachments
- 3 Eyelets for attaching a 2nd tractor
- 4 Laser/GPS & grade control supports
- 5 Grade, depth and hydraulic pressure indicators

## Draw-bar AND 3-point hitch attachments

Our Tile Plow is carried on the 3-point hitch, but despite this, remains inactive. This configuration allows more traction to the tractor which is very handy. Also, setting the tile plow to the drawbar can lighten the load on the top link in addition to providing greater stability for the tile plow itself.

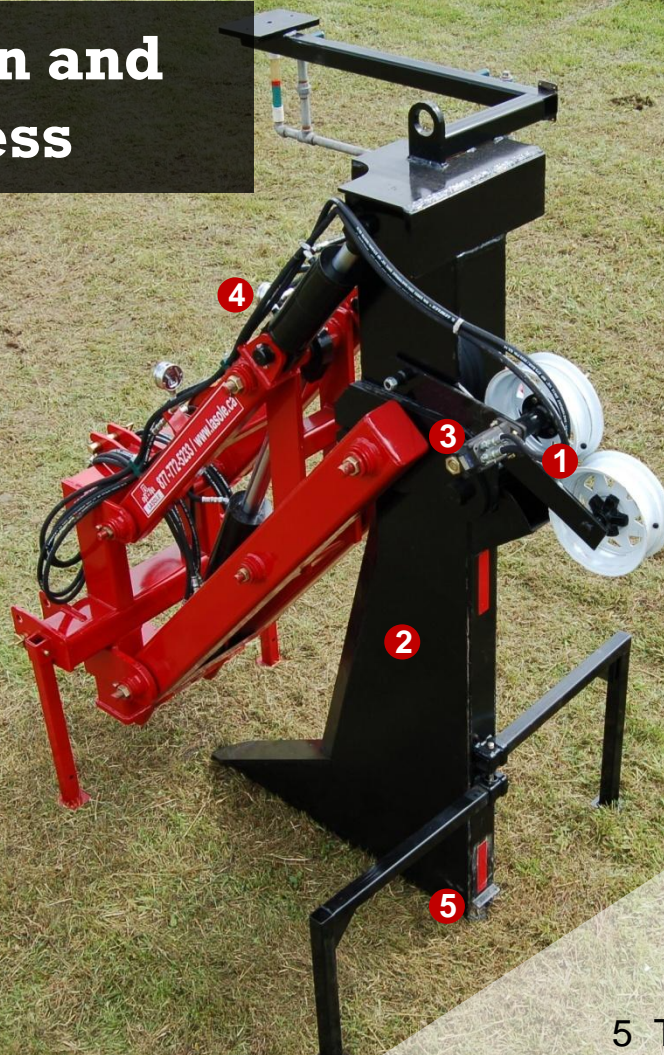


## Interchangeable boot

We make a boot for each tile size: 4, 6 and in. Each boot is designed as narrow as possible requiring a minimum of power and traction. The trapezoidal design provides optimum support and a perfect placement of the tile. Boot changes have a quick attach system and requires only a few minutes.



# Precision and robustness



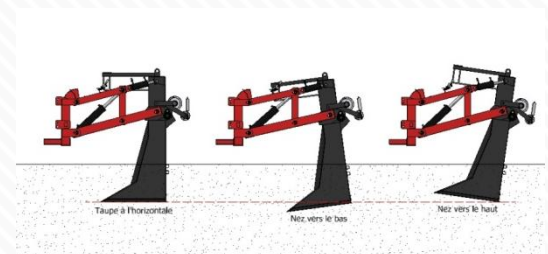
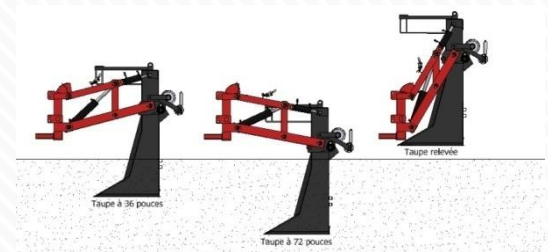
- 1 Power feeder
- 2 Interchangeable boot
- 3 Quick attach for the boot
- 4 Hydraulic protection valve
- 5 Tile outlet with protective valve

## The Tile plow is controlled using two systems

A first hydraulic system consists of 4 bars supporting central cylinder allows raising and lowering the boot without changing the grade (level). The tractor's 3-point hitch remains idle. The image shows that the boot remains level, regardless of height.

A second hydraulic system composed of two cylinders at the top, allows you to change the grade (level) of the boot. The red dotted line illustrates that the boot outlet does not change height, avoiding tile crushing when changing grade.

Some laser and GPS systems are able to control simultaneously both systems (height and grade). Our Tile Plow is one of the only compatible with these laser/GPS systems.



# The LaSole stringer caddy



- 1 Utility basket
- 2 Support wheels
- 3 Braking system
- 4 Spool lifting and pivot system

Carried on the tractor's 3-point hitch, the stringer caddy has great maneuverability. The support wheels located under the swivel base enforce the main axle. The ingenious braking system is incorporated into pivot/lifting tile spool system. The entire machine is built as we build our other products: simple, functional, robust and economical.



## The LaSole Tile Plow and Stringer Caddy : technical data

Component	Characteristics
Complete Tile Plow	Weight : 6500 lb Minimum power : 200 HP Attachment Type : Draw-bar AND 3-point hitch Maximum working depth : 7 in
Cylinder controlling the pitch	Diameter: in Mountings: 3 in diameter industrial ball joints Maximum thrust: 85,000 lb Protection : adjusted safety valve according to the tractor weight
Cylinders controlling the grade	Diameter: in, 2X Mountings: 2 ½ in diameter industrial ball joints Maximum thrust: 118,000 lb Protection : adjusted safety valve according to the tractor weight
Attachments	3-point hitch: cat.3 + cat.4N Drawbar: adjustable for any type of tractor Note: the 3-point tractor system only serves to fix the tile plow to the tractor, it is inactive (height is locked in) when working with the Tile Plow.
Boots	Weight of the 4 in boot : 1100 lb / 6 in boot : 1200 lb Quick attach system with 4 in attachment axes Power tile feeder Tile outlet with protective valve Support brackets with integrated steps
Gauges	Depth: graduated gauge Grade: steel level filled with coolant Hydraulic pressure : 4 in oversized dials
Stringer caddy	Weight (empty): 1800 lb Lifting Capacity: 3500 lb at 48 in from the swivel base Brake incorporated in the lift system





**La Sole Inc. • 290, 1st avenue, Ste-Hélène (Québec) Canada J0H 1M0**

**Toll free : 877.772.5233 • T 450.791.4007 • F 450.791.2384**

**Mail : [info@lasole.ca](mailto:info@lasole.ca) • Web site : [www.lasole.ca](http://www.lasole.ca)**



**LASOLE<sub>INC</sub>**

**MANUFACTURER OF FARM EQUIPMENT**