



World Leader in Transplanting Technology

PS Star Plastic Mulch Layer

Set-up & Operating Instructions

Checchi & Magli

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Here is a list of key points to do when setting up a new C&M PS Star Plastic Mulch Layer. The purpose of this manual is to help you understand how to properly adjust & operate your machine.

The key is to have someone trained on your farm that becomes the C&M EXPERT! Please read and study this manual to understand how to maximize your success.

The PS Star has some great features/advantages:

- 1) Built heavy duty for vegetable & hemp applications
- 2) Fully adjustable
- 3) Makes a 6" tall curved bed (for water run-off)
- 4) Packs a tighter bed
- 5) Discs are fully adjustable



Scan QR code to watch the PS Star in ACTION!

Our PS Star model requires an average of 50 HP per row (i.e. 3 rows=150 HP)

Working speed - 3-4 MPH



Well prepared/tilled ground - 5" deep



Before using the PS Star, we require the ground be well tilled/cultivated - at least 5" deep. This is critical to enable us to make a 6" bed and also so we are able to bury the plastic.

WARNING: If your ground is not cultivated, you will damage your machine. This machine is made to work ONLY in well cultivated ground (at least 5" deep).

most common

MODEL	Plastic Roll Size	Row Centers
PS Star10	3' wide plastic	(5' bed centers)
PS Star12	4' wide plastic	(6' bed centers)
PS Star14	5' wide plastic	(7' bed centers)

Machine Set-Up

Hook up the 3-POINT LINKAGE to your tractor -

The 3-point linkage must be vertical (straight up & down). 

Parallelogram -

When the machine is lowered and placed on the ground the parallelogram will be level, or "parallel" to the ground. This allows each row unit to "float" up and down independent of the other rows.



Speed -

To help us form the bed we will need tractor speed - we recommend tractor speed of 3-4 MPH.



Key Objectives on the PS Star -

1) - to form a 6" high tapered/rounded bed at the center. The bed is rounded or tapered so that the water will run off the bed.

2) - Its imperative that we form a tight bed so that we can come through after and plant into a solid dirt bed - and not into air pockets below the plastic.

3) - Its also important that the plastic mulch is tight over the bed and well tucked into the sides of the bed so that if/when a wind storm comes by, we ensure the plastic is not taken away in the wind but is instead secured.

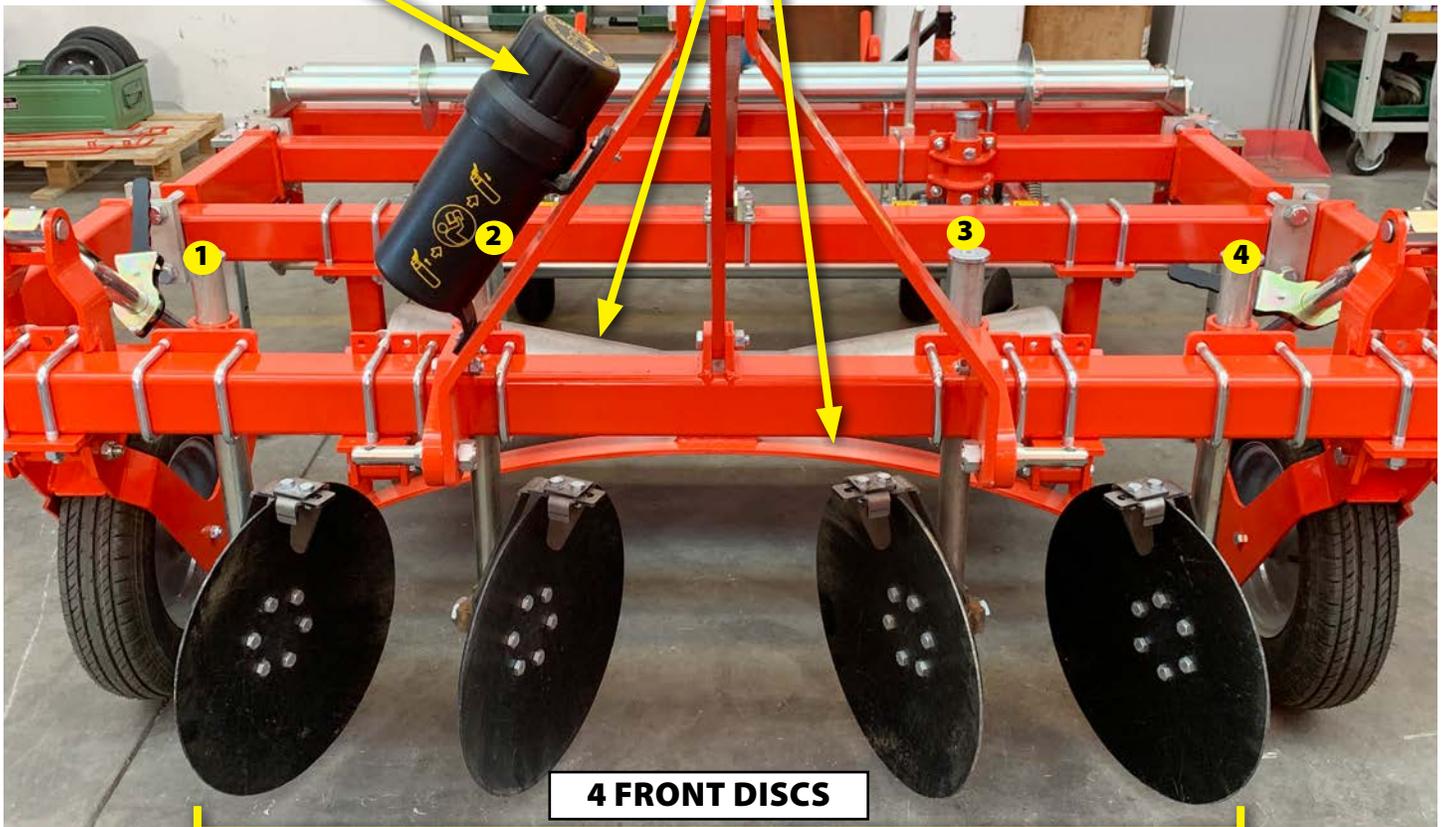


Key Adjustments on the PS Star -

We will point out some adjustments on the PS Star machine to help us achieve our objectives.
We have labeled several different pictures of the machine to make it clear where to make each adjustment.

TOOL KIT CANISTER - with tools and manual. Very convenient in the field.

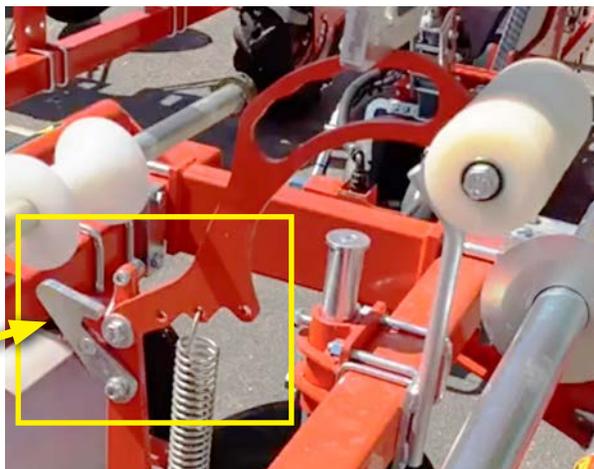
BED SHAPER ROLLER & SHAPER - this helps us form a rounded bed.

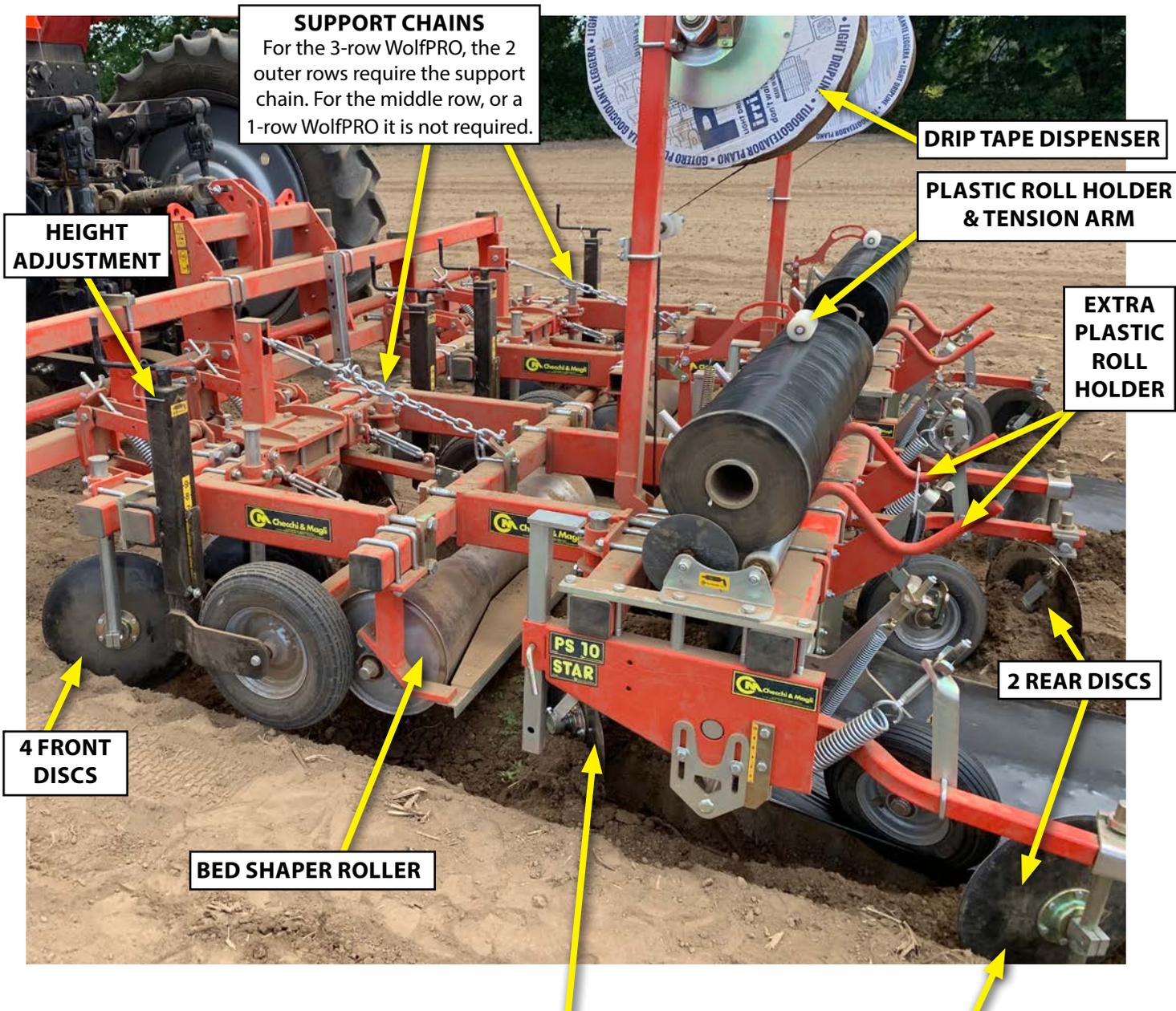


4 FRONT DISCS
- There are 4 discs out front and we recommend you angle slightly the front discs towards the middle.
We also recommend raising the two middle discs (#2 & #3) slightly higher to help us add bed height in the middle and form a raised bed.

PLASTIC ROLL SPRING TENSION ADJUSTMENT

- There are 3 small holes to adjust the tension of the spring on the roller arm holding down the roll of plastic mulch. Note that this depends on the kind of plastic, how full the spool of plastic is, and sometimes even the time of day and temperature. This latch helps keep the tension roller arm up while changing the plastic roll.





SUPPORT CHAINS
For the 3-row WolfPRO, the 2 outer rows require the support chain. For the middle row, or a 1-row WolfPRO it is not required.

DRIP TAPE DISPENSER

PLASTIC ROLL HOLDER & TENSION ARM

EXTRA PLASTIC ROLL HOLDER

2 REAR DISCS

HEIGHT ADJUSTMENT

4 FRONT DISCS

BED SHAPER ROLLER

DRIP TAPE DISPENSER - Lay drip tape as you are laying plastic and shaping beds. Drip tape is not buried in the dirt, just laid under the plastic.



***CRITICAL 2 MIDDLE DISCS**
-The key purpose of these two discs located towards the middle of the machine but on the outer edge, **is to help form the bed and make a furrow and push soil towards the outside. This soil will then be used to cover the plastic with our rear discs at the back of our machine.** If these discs are not angled correctly then we don't form a bed, and more importantly we have little soil for the rear discs to return the soil back over to cover the plastic. If this is set correctly, it helps us have sufficient soil to cover and hold down the edges of the plastic.
Warning: If all edges of the plastic are not heavily covered in soil, a windstorm could grab the edge of the plastic and blow it away.

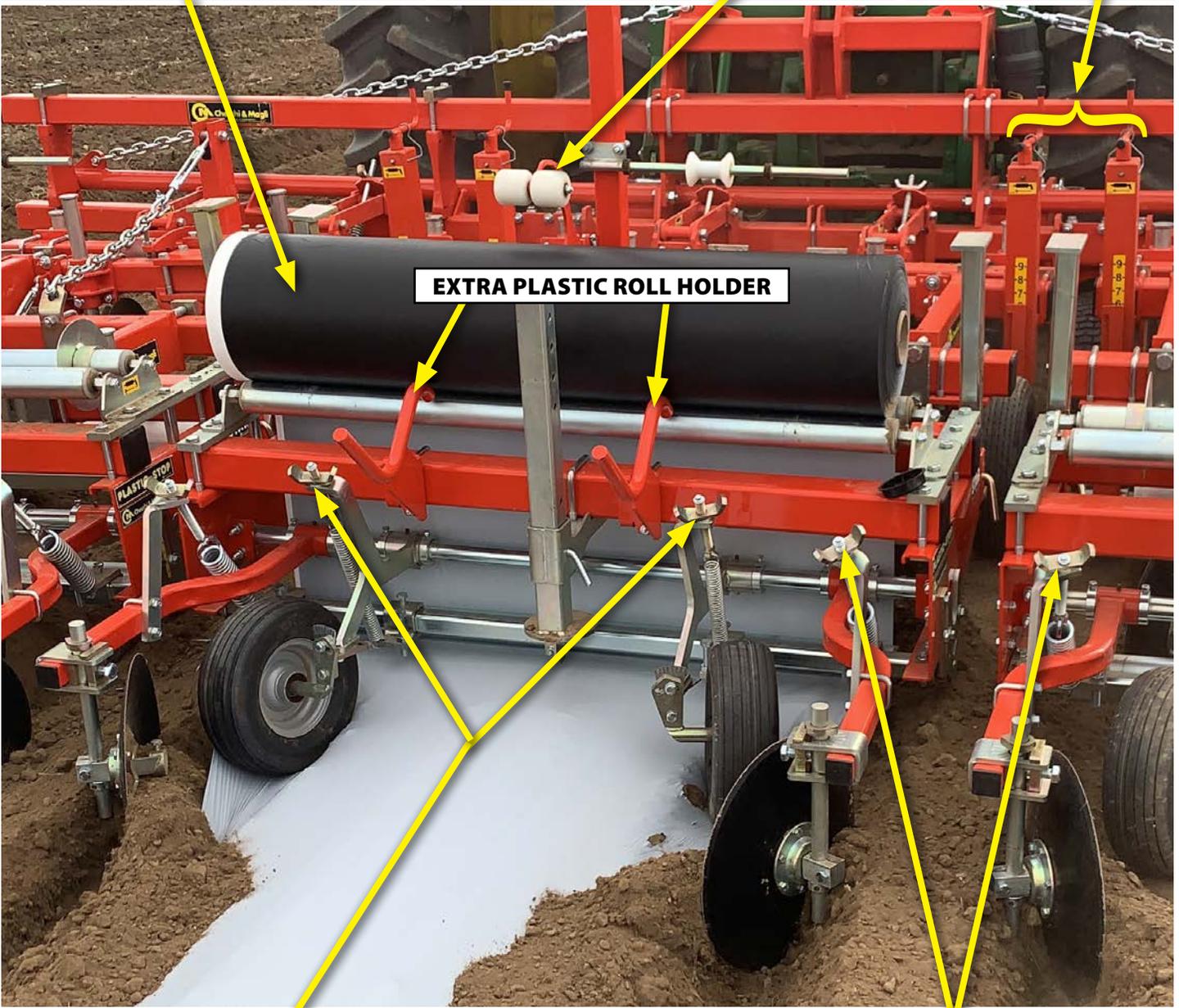
2 REAR DISCS
-to cover the edges of the plastic with soil to hold it down securely. In order to accomplish this **the rear closing discs should be slightly wider (outside) than the middle bed shaping discs**, to help bring soil back and throw it on the plastic.

Note: There are a total of 8 discs per row on the PS Star model.

PLASTIC ROLL HOLDER - To start laying plastic, place the roll on top of the rollers and pull the plastic down in between the rollers and pull toward the back of the machine.

PLASTIC ROLL SPRING TENSION ADJUST - There are 3 small holes to adjust the tension of the spring on the roller arm holding down the roll of plastic mulch.

HEIGHT ADJUSTMENT - a key adjustment that helps us determine the bed height - up to 6"-8".



EXTRA PLASTIC ROLL HOLDER

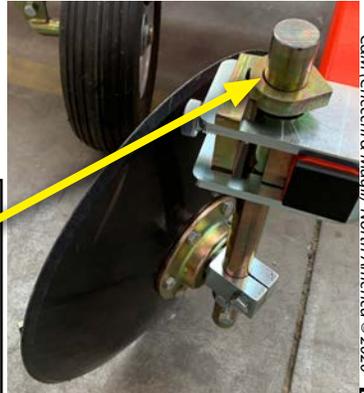
REAR TIRE, SPRING WING NUT ADJUSTMENTS - tighten the wing nut to apply more down pressure.

REAR CLOSING DISCS, SPRING WING NUT ADJUSTMENTS -tighten down rear disc to apply more soil on top of plastic.



2 REAR TIRES - These tires ride at an angle on the sides of the bed and help us tighten the plastic as its being tucked under the soil.

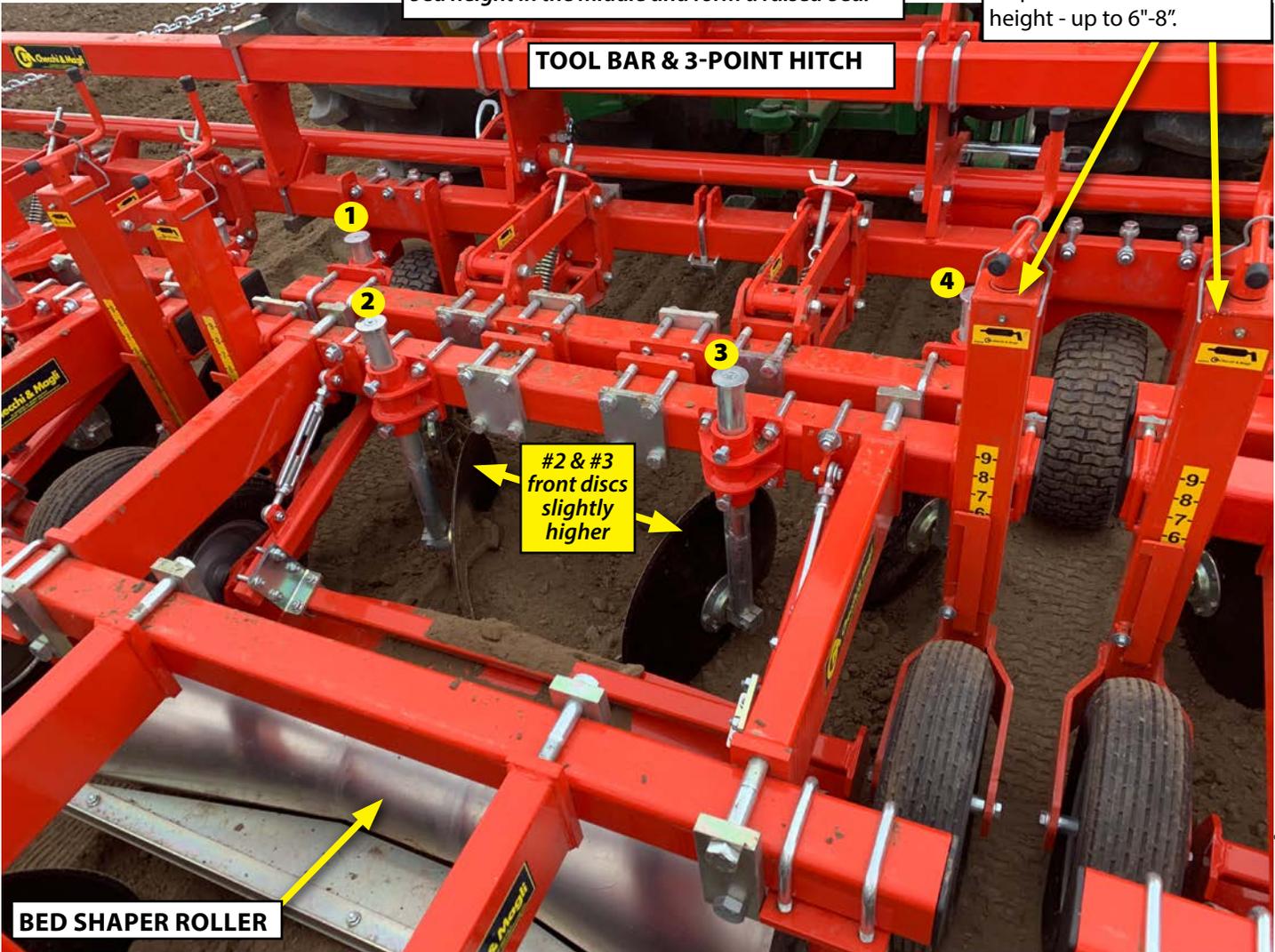
2 REAR CLOSING DISCS ANGEL ADJUSTMENT - These discs should be angled to return the soil back over the plastic edges to help us cover and secure the plastic. In order to accomplish this, the rear closing discs should be slightly wider (outside) than the middle bed shaping discs, to help bring soil back and throw it on the plastic.





4 FRONT DISCS
 - There are 4 discs out front and we recommend you angle slightly the front discs towards the middle. *We also recommend raising the two middle discs (#2 & #3) slightly higher to help us add bed height in the middle and form a raised bed.*

HEIGHT ADJUSTMENT
 - a key adjustment that helps us determine the bed height - up to 6"-8".



TOOL BAR & 3-POINT HITCH

#2 & #3 front discs slightly higher

BED SHAPER ROLLER