

SFOGGIA ®

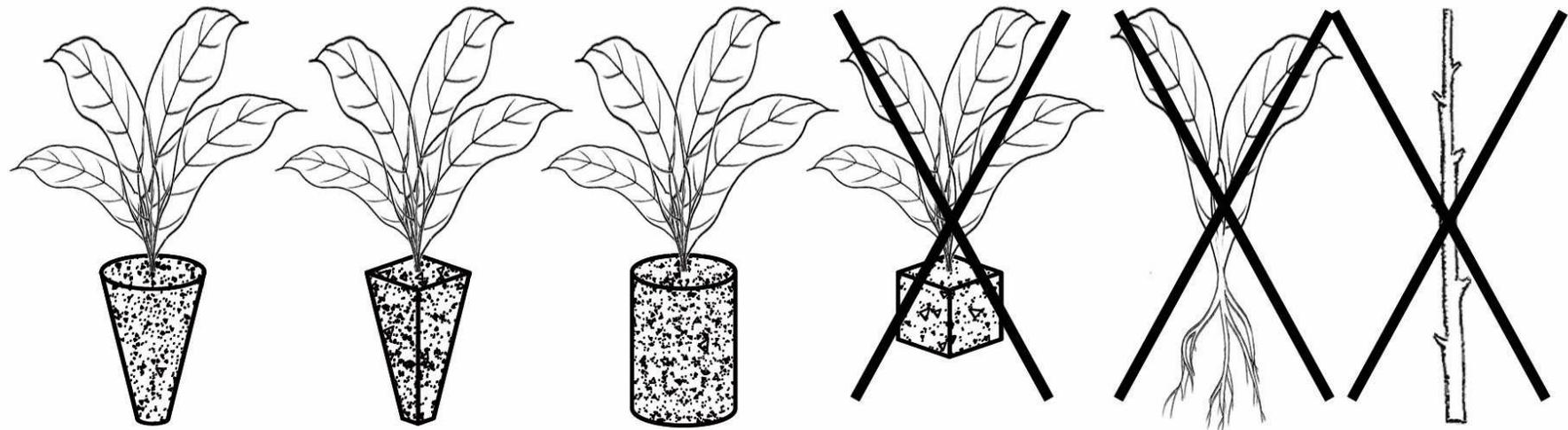
California

Florida

California: half automatic transplanter For seedlings vegetable plants



California and Florida: Possible kind of plants







California-Florida: Transplanting process



California-Florida Transplanting process



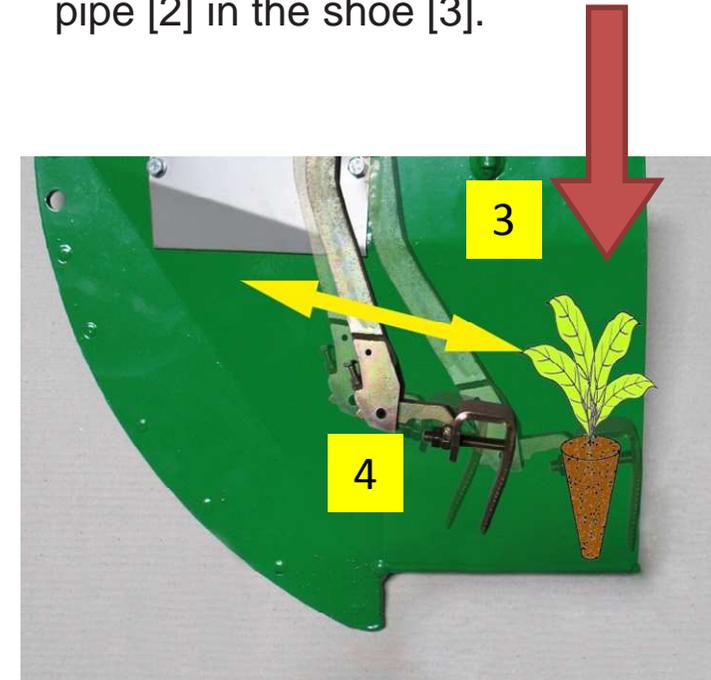
Manually operator extracts plants from box and put them in the cups of the rotating carousel.



California-Florida Transplanting process



When cups of rotating carousel run over falling pipe [1] they open and plants get down through falling pipe [2] in the shoe [3].



Inside of the shoe there is a kicker [4] that push plants in the furrow made by the shoe. Back wheels regulate planting depth and close the furrow and press the soil at sides of plants.

California-Florida Transplanting process



Transplanting result.

California-Florida: Transplanting Units

California transplanting Unit



California transplanting unit: carousel



The carousel is made by teflon-nylon material:

- wet soil and mud don't attach on cups
- when weather is hot plastic cups do not get hot like metal ones
- low friction
- low wear caused by inertia
- easy cleaning

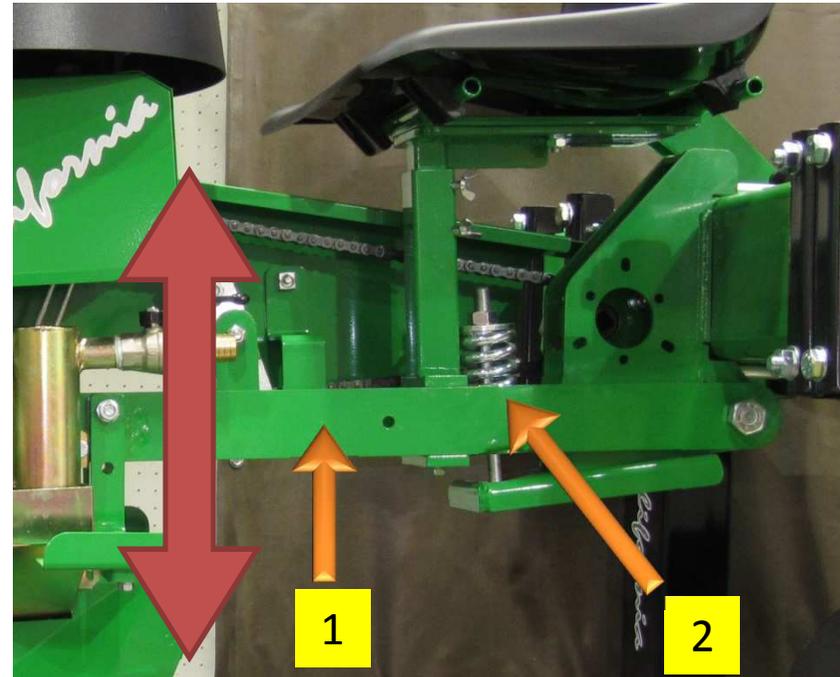


California transplanting unit: floating frame

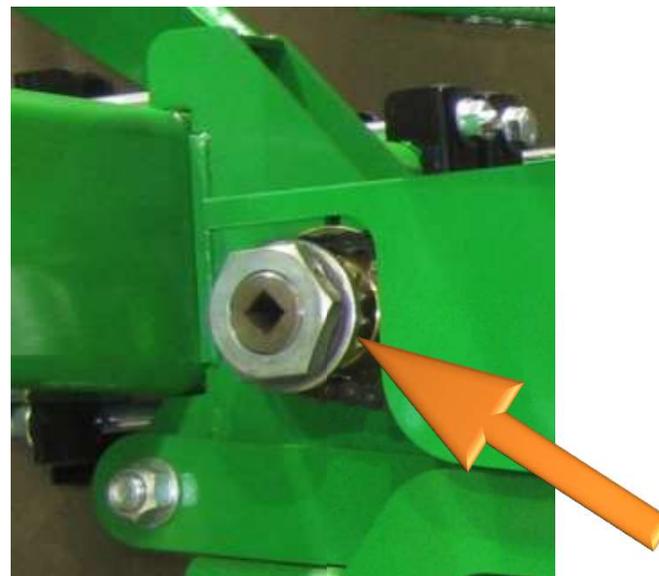


The floating frame [1] allows the planting unit to follow the contours of the land.

The adjustable spring [2] gives pressure to the planting unit in case of hard soil.



California transplanting unit: security clutch

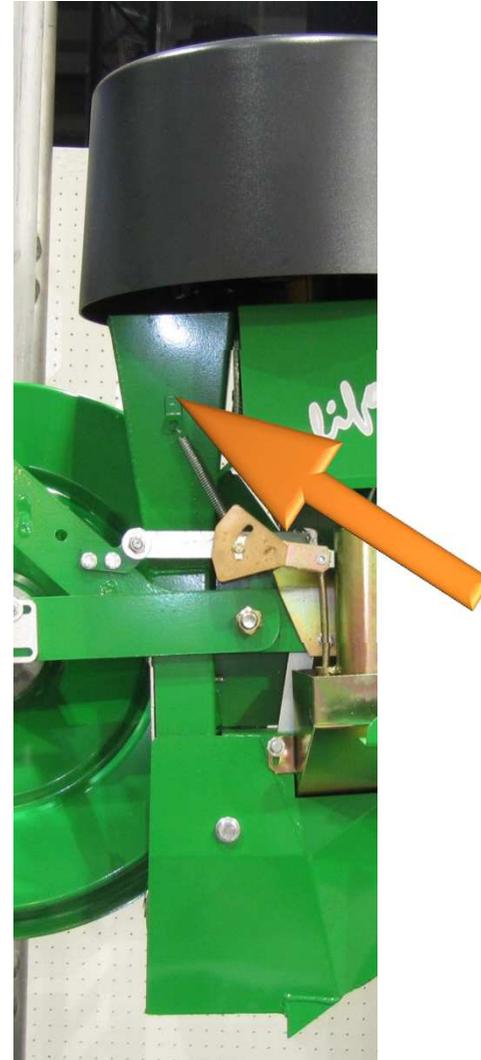


Planting unit has a security clutch: in case of objects/stones/etc that block the carousel rotation, it intervenes and doesn't allow breakage.

California transplanting unit: falling pipe



The falling pipe drive plants from cups to the shoe.



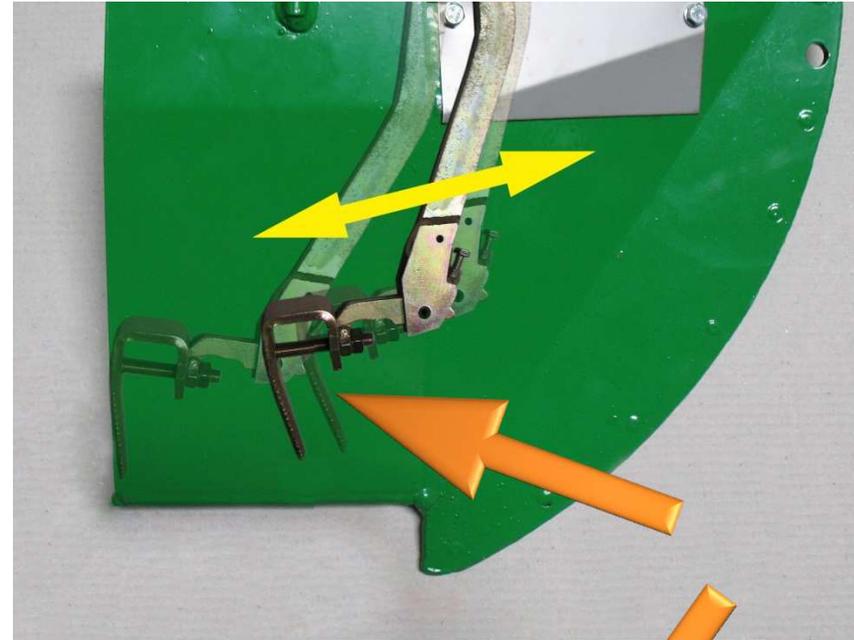
California transplanting unit: plate of falling pipe



The plate of falling pipe has the function to help plants to stay straight when they fall in to the shoe.



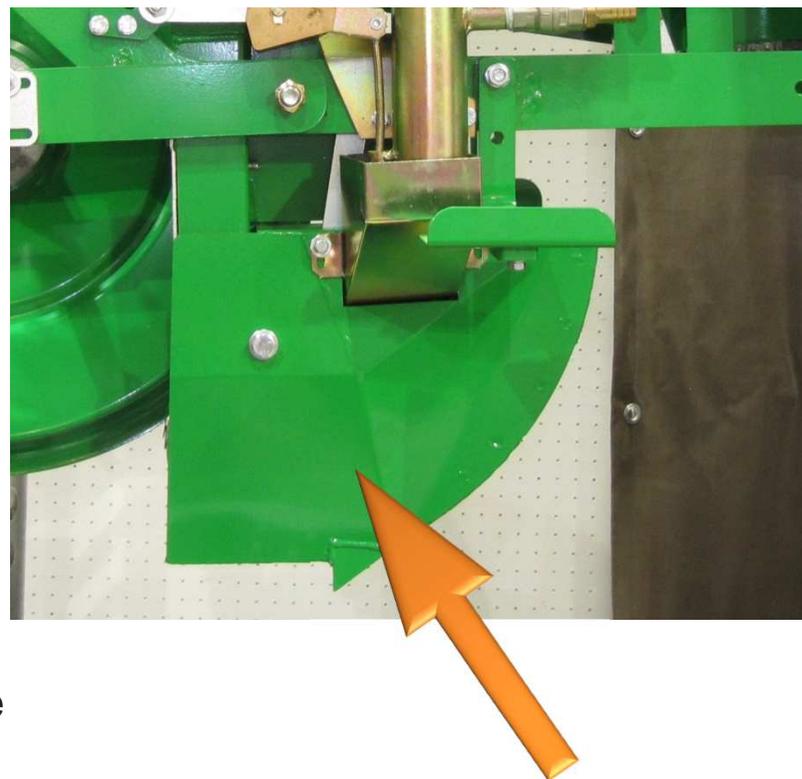
California transplanting unit: kicker



Kicker has the important function to push plants in the furrow made by the shoe. It is self-cleaning, in case of stones that go inside the shoe it automatically push them out.



California transplanting unit: shoe

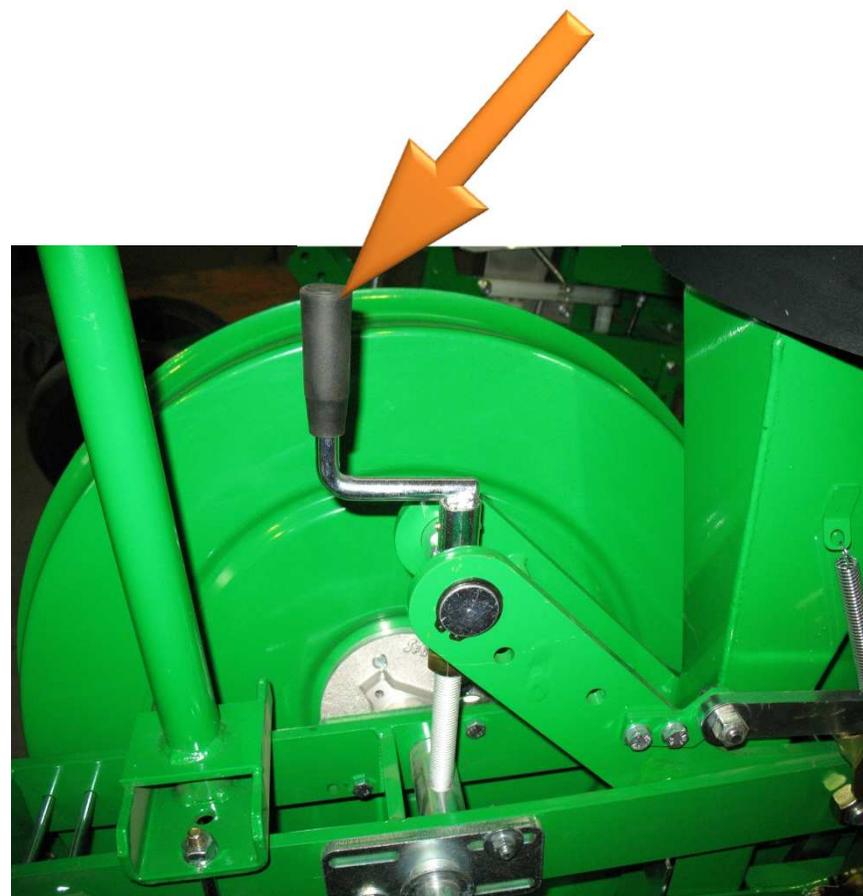


The shoe create the furrow where machine will put plants.
It's made by hardened boron steel.

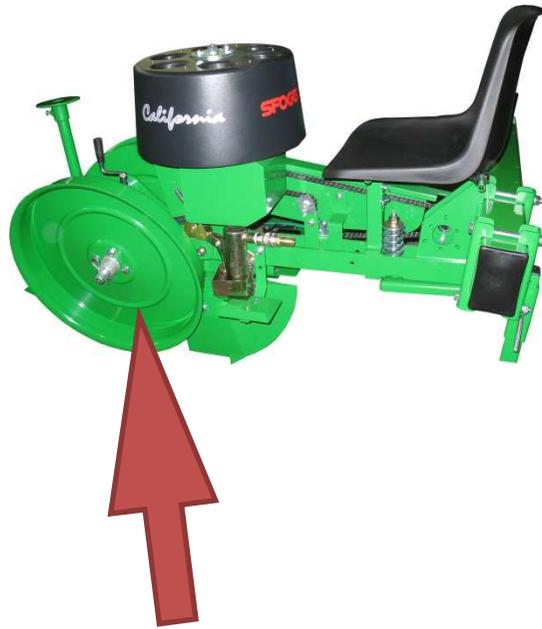
California transplanting unit: planting depth adjustment



The planting depth is adjustable with an handle that lift or low back compression wheels.

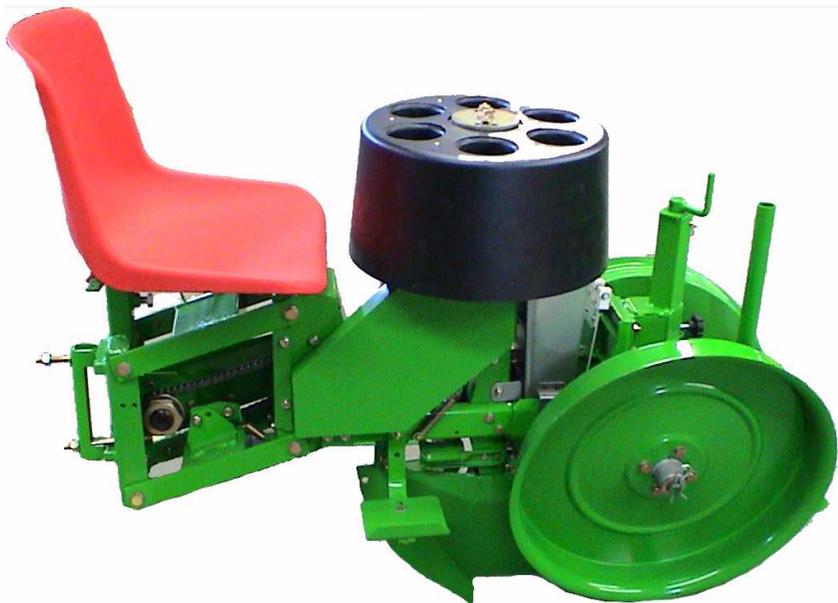


California transplanting unit: back wheels

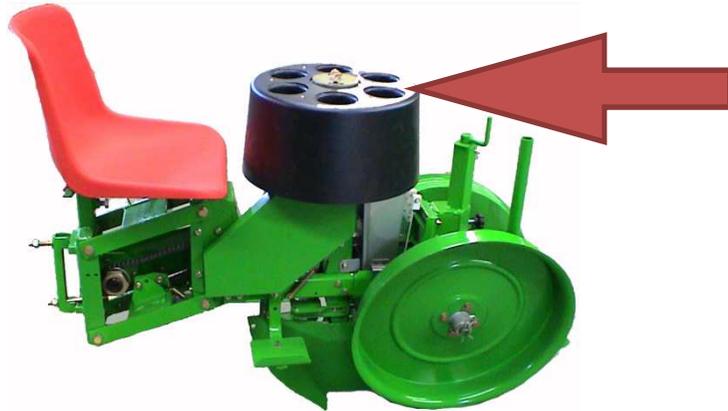


- Back wheels has functions of:
- regulate planting depth
 - close the furrow
 - press the soil at sides of plants.

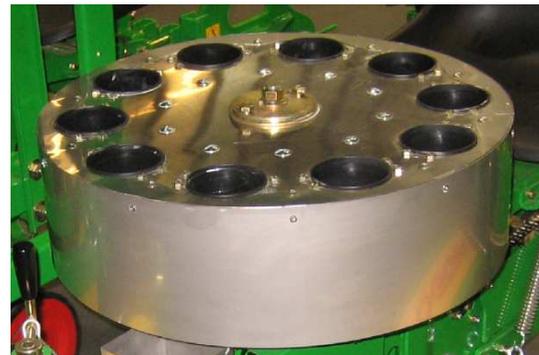
Florida transplanting Unit



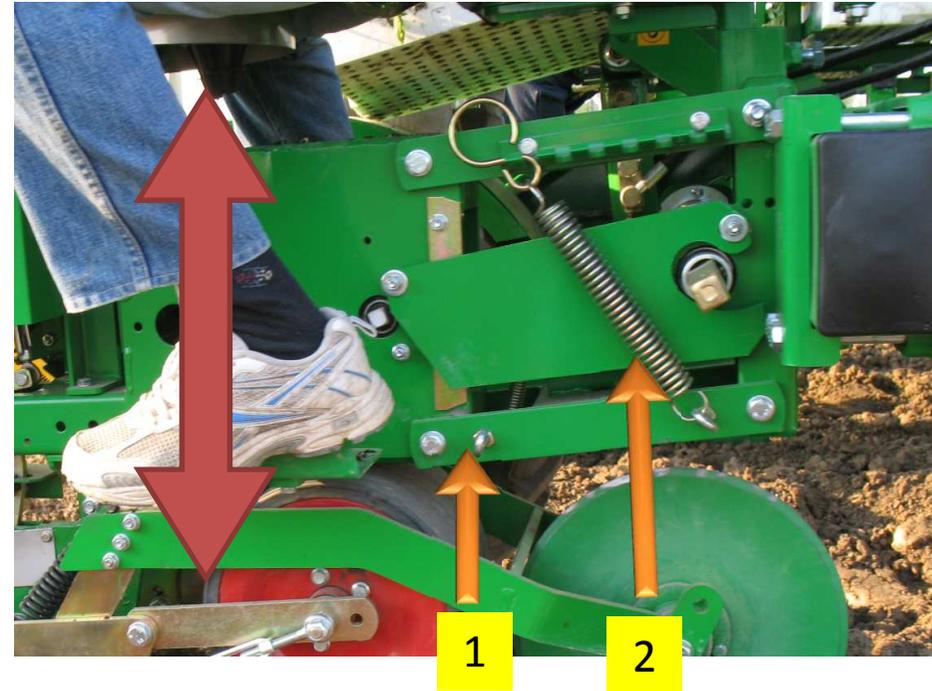
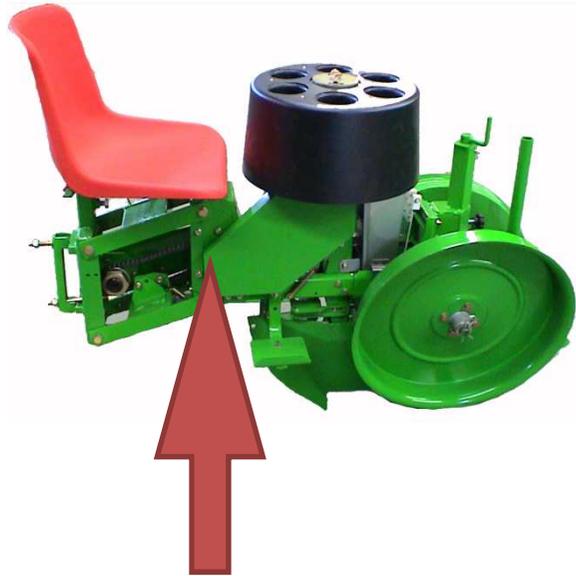
Florida transplanting unit: carousel



- The carousel is made by teflon-nylon material:
- wet soil and mud don't attach on cups
 - when weather is hot plastic cups do not get hot like metal ones
 - low friction
 - low wear caused by inertia
 - easy cleaning
 - 6 cups model or 10cups model



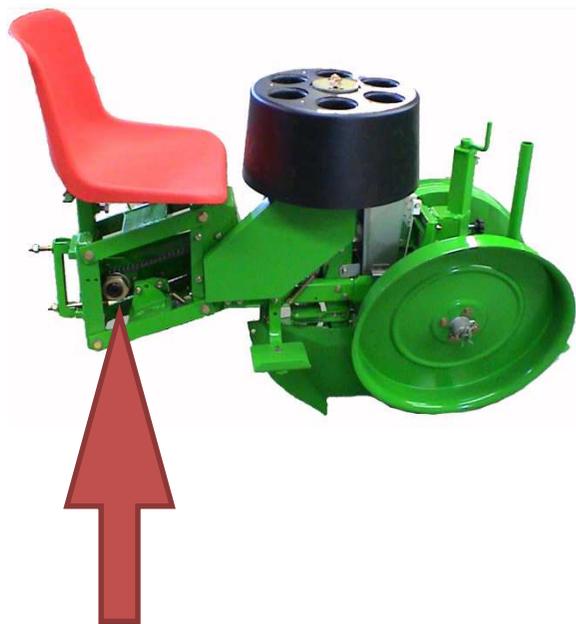
Florida transplanting unit: floating frame



The parallelogram [1] allows the planting unit to follow the contours of the land.

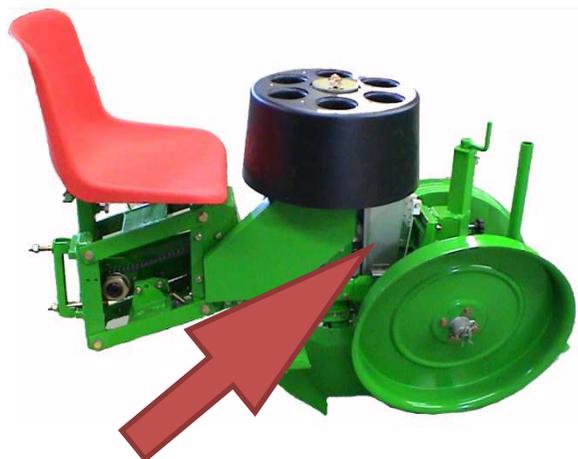
The adjustable spring [2] gives pressure to the planting unit in case of hard soil or take pressure in case of soft soil.

Florida transplanting unit: security clutch

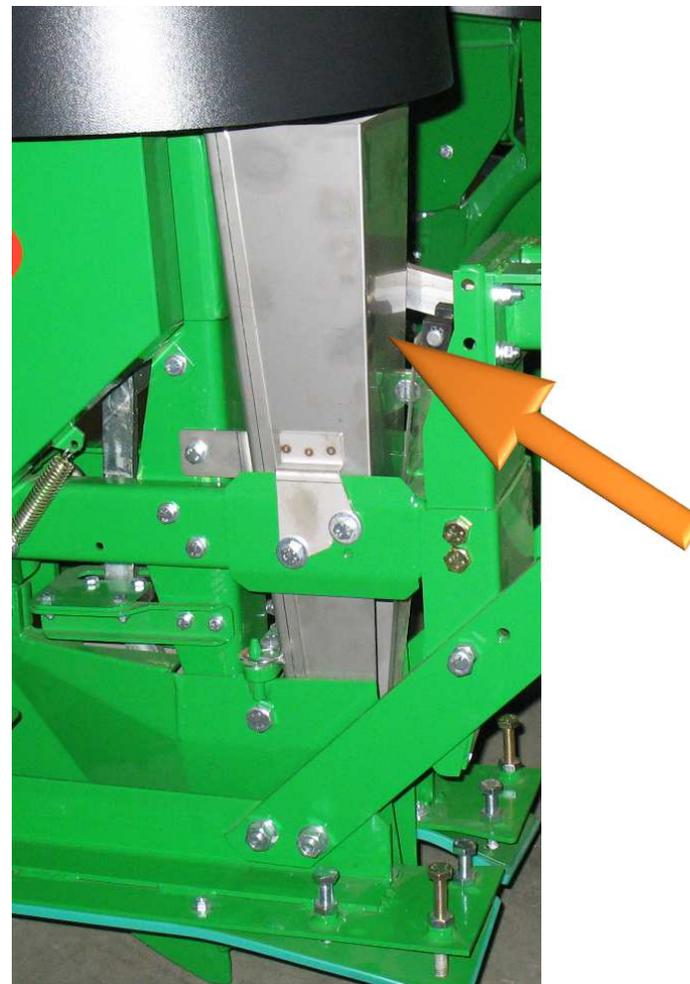


Planting unit has a security clutch: in case of objects/stones/etc that block the carousel rotation, it intervenes and doesn't allow breakage.

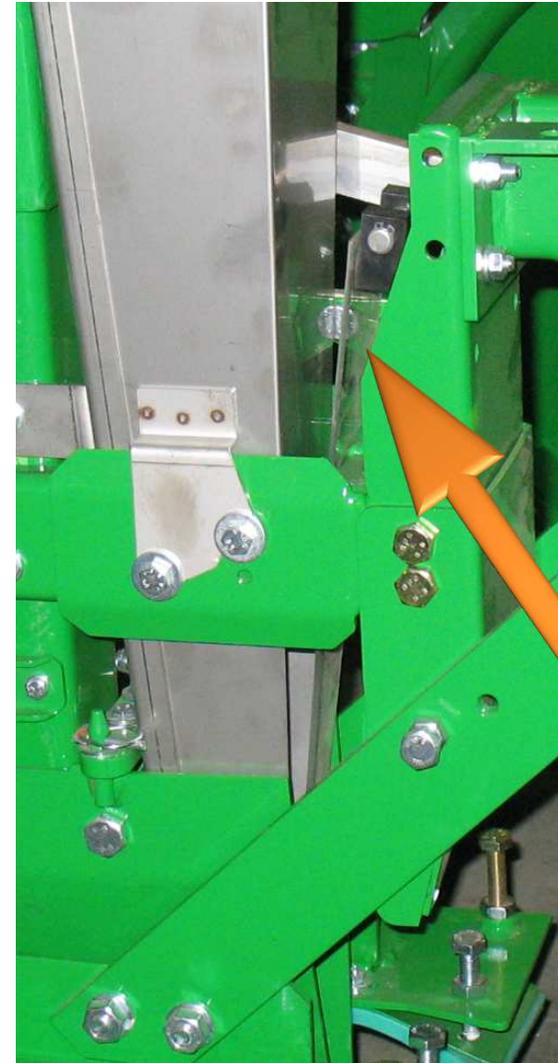
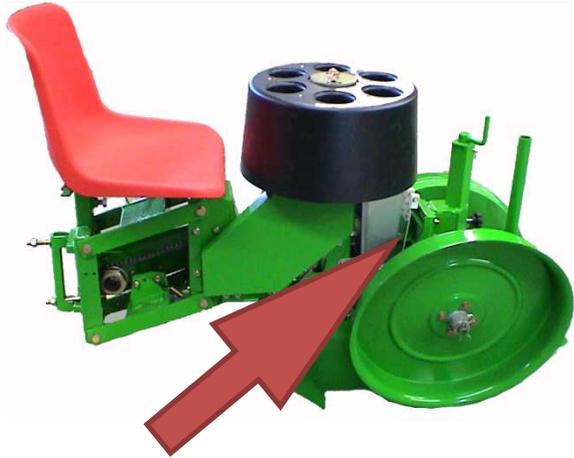
Florida transplanting unit: falling pipe



The falling pipe drive plants from cups to the shoe.

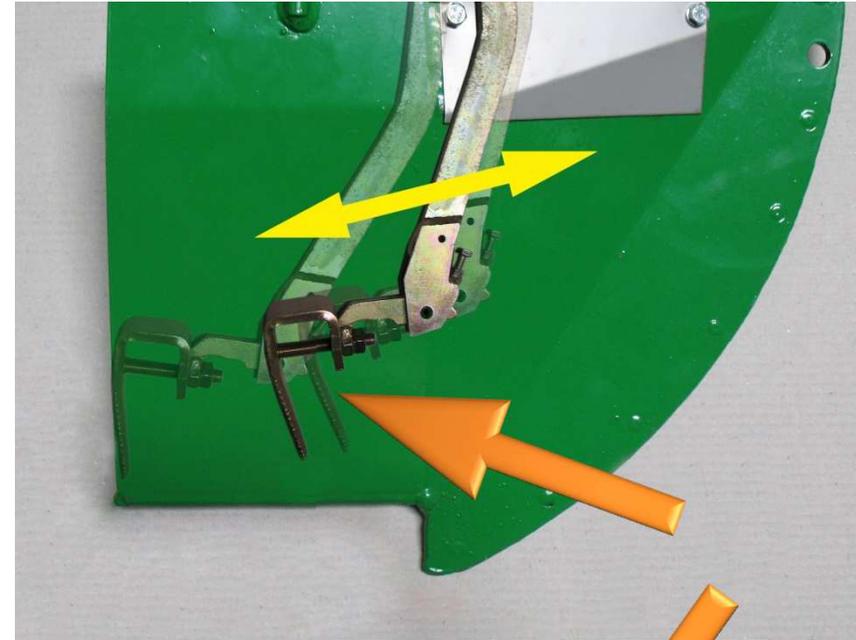


Florida transplanting unit: guillotine



Guillotine has the function to help plants to stay straight when they fall in to the shoe and prevents plants lie down

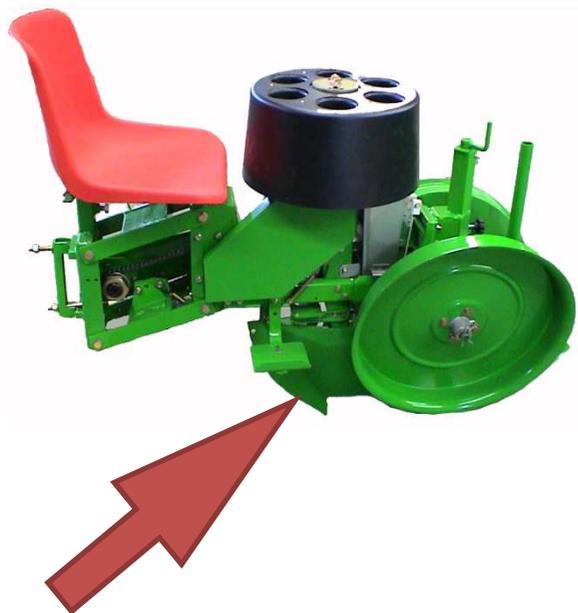
Florida transplanting unit: kicker



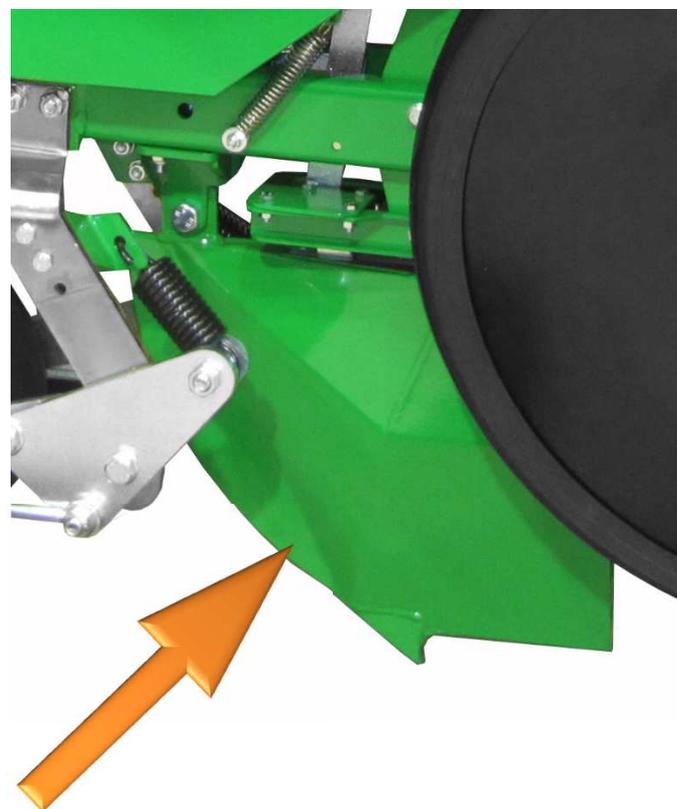
Kicker has the important function to push plants in the furrow made by the shoe.
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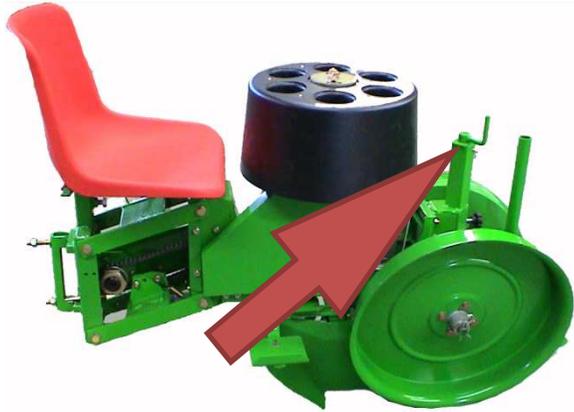
Florida transplanting unit: shoe



The shoe create the furrow where machine will put plants.
It's made by hardened boron steel.



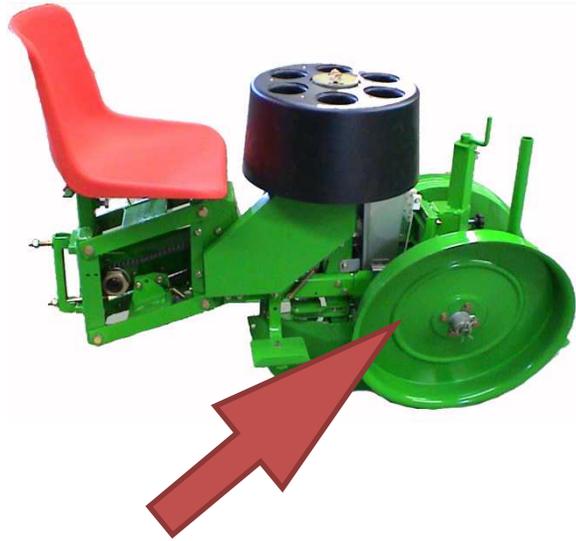
Florida transplanting unit: planting depth adjustment



The planting depth is adjustable with an handle that lift or low back compression wheels.



Florida transplanting unit: back wheels



Back wheels has functions of:

- regulate planting depth
- close the furrow
- press the soil at sides of plants.

California-Florida:
Frame, Three point hitch, drive wheel,
plant support

California: frame and three point hitch



Frame with dimensions 150 mm x 100 mm.
Very strong.



Standart three point hitch for
machines till 3/4 units frame
L=2,45m max.



Reinforced three point hitch
for machines from 4/5 units.

California-Florida: drive wheels



"Normal" drive wheel
5,00-12 (Ø550mm x 130mm)



"Big Size" drive wheel
6.5/80-15 (Ø670mm x 160mm)

California-Florida: plant box supports



Standard rotating
plants box holder

California-Florida Options

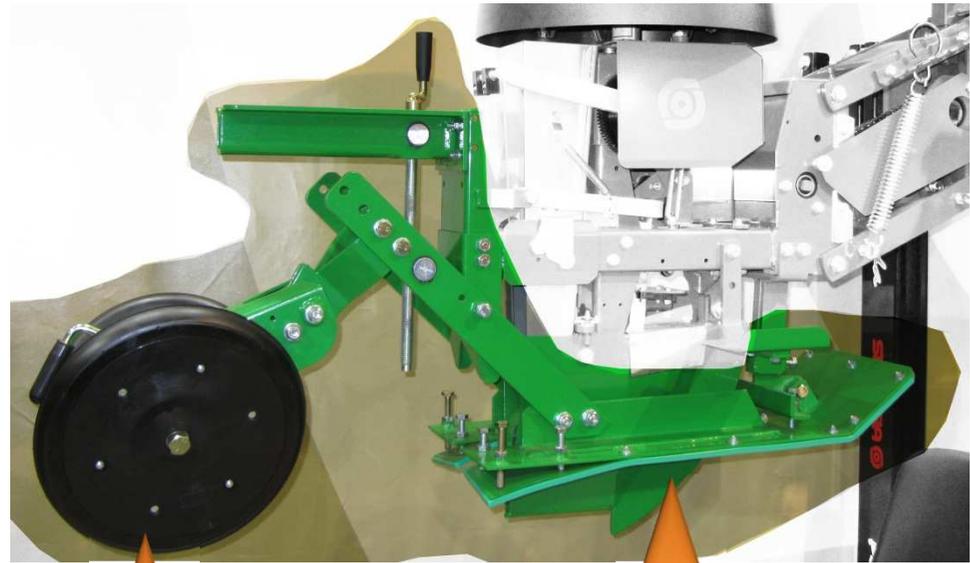
California-Florida planting unit back wheels: other models



Farmflex D=550mm
(option)



Farmflex D=400mm (option)



Compression «V»
2" or 1" wheels
for Skids (option)



Compression
slides (or "Skids")
(option)

California-Florida: plant box supports



Standard rotating
plants box holder



Plant tray carrier (option)



Tower plant box
holder (option)

California-Florida: watering device



Watering device (option)

200 or 300 liters
water tank (option)



California: Guillotine



Guillotine is a device that help little plants to stay straight in to the shoe and prevents plants lie down (option)

California: options for planting unit



Front farmflex wheel (option)

Front opener disc (option)

Florida: options for planting unit



Front farmflex wheel (option)

Front opener disc (option)

California: options for planting unit



Carousel of plant distribution with 6 cups on crawling steel plate (option)

Florida: options for planting unit



Carousel of plant distribution with 6 or 10 cups on crawling steel plate (option)

California-Florida: options



Fertiliser (option)



Microgranulator (or Pesticide) (option)

California-Florida: options



Manual or hydraulic row marker (option)

California-Florida: frames



Standard fix (or rigid) frame



Hydraulic folding frame (option)



STDM model - Double frame (option)

California-Florida: different kinds of soil



Standard



Heavy



Sandy



Heavy + little stones

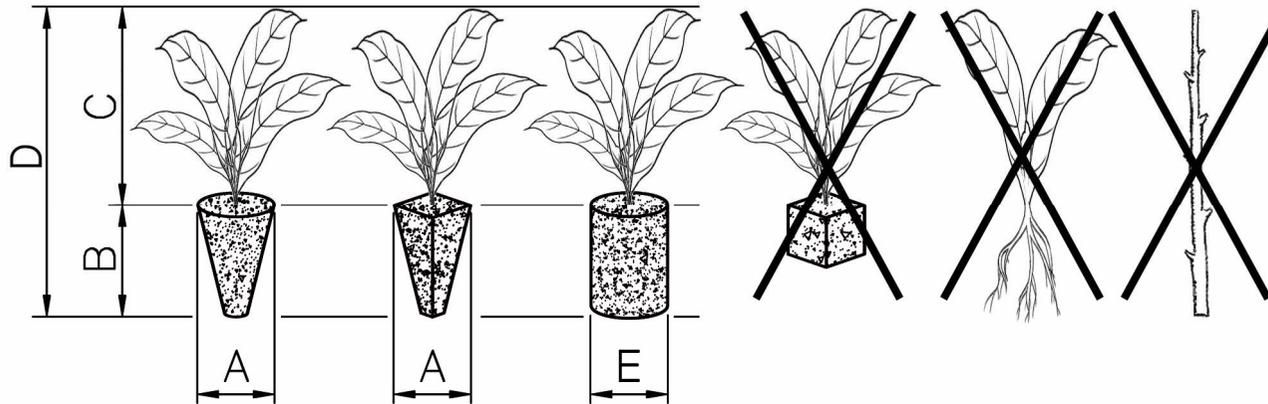


Heavy + stones



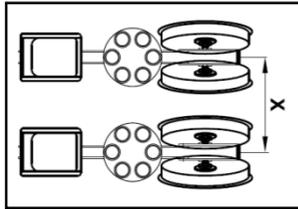
Stones + few soil

Possible kind and dimensions of plants

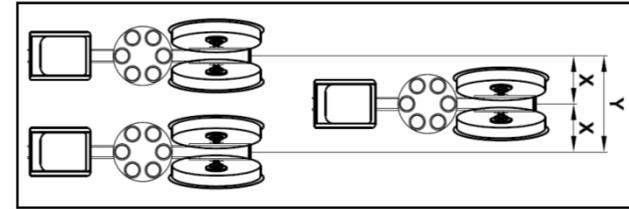


CALIFORNIA	Standard Shoe
	Min ÷ Max (cm)
A	2,0 ÷ 3,5
A1	1,5 ÷ 2,5
B	4,0 ÷ 6,0
C	8,0 ÷ 18,0
D	12,0 ÷ 25,0

FLORIDA	Standard Shoe	Small Shoe
	Min ÷ Max (cm)	
A	3,0 ÷ 5,0	2,0 ÷ 3,5
A1	2,5 ÷ 4,0	1,5 ÷ 2,5
B	4,0 ÷ 6,0	
C	8,0 ÷ 18,0	
D	12,0 ÷ 25,0	



VERSION STM



VERSION STDM

Version STM	1 row	2 rows	3 rows	4 rows	5 rows	6 rows
Toolbar width m	2,20	2,20-2,40	2,40-2,50	2,40-2,50	2,50-3,00	3,00-3,50
Length cm	200					
Minimal row distance "X" cm	48 (46*)					
Mini. row distance "X" cm with tractor wheels between units	80 (big size tractor wheel) - 76 (normal tractor wheel)					
Weight Kg	280	380	470	680	830	980
Power required HP	20	30	40	50	60	70

Version STDM	2 rows	3 rows	4 rows	5 rows	6 rows
Toolbar width m	2,20-2,40	2,20-2,40	2,20-2,50	2,20-2,50	2,20-2,50
Length cm	380				
Minimal row distance "Y" cm	48 (46*)				
Minimal row distance "X" cm	24 (23*)				
Weight Kg	640	730	930	1170	1330
Power required HP	50	60	70	80	90

*: - minimal row distance up to 48 cm with standard iron compression wheels
 - row distances shorter than 48 cm: with narrow iron compression wheels, or with farmflex compression wheels D=400, with skids and rear "V" compression wheels. Staggered seats or bench are recommended.