

AGRICULTURE DIVISION



# Bio Thaser

LASER WEEDER



INTER-PLANT WEEDER



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LASER WEEDER



> *Bio Thaser* is a machine for inter-row and inter-plant weeding of organic crops, where the use of chemicals is not allowed. Easy to adjust, precise in work and reliable



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## L A S E R   W E E D E R

*Bio Thaser* is a weeder that, in addition to classic inter-row processing, allows inter-plant too, using mobile hoes controlled by laser sensors placed on each working unit. The sensors scan the passage of the plants and activate the hoes only in the interplant spaces, thus removing weeds in the bud.

The control logic is simplified so as to make the machine easy to use. The parameters are entered directly into the laser detection devices, thus avoiding the use of more complex equipment such as PLCs and dedicated software.

The recommended average working speed is 1.5 km/h with an accuracy close to 100%.

The minimum achievable row spacing is 35 cm.

The max set up of the machine is 4 elements.

Transport width for the standard model is 2.55 m max.

The low weight allows it to be used even with small tractors (minimum 70 HP)

The type of machine is a mounted but during the work cycle it can be trailed on 4 wheels: front in iron with crest and rear in rubber.

The hydraulic system with tank is integrated into the machine and is completely independent.

The pneumatic system that feeds the actuators that move the hoes is also independent with a dedicated compressor and tank. For the operation of the entire system, only the connection to the PTO and the power outlet is required.



*Bio Thaser* is equipped with an electro-hydraulic guide system to ensure maximum precision in alignment between elements and crops. The elements are assembled on a mobile frame that guarantees a maximum excursion of 25 cm. The movement of the elements along the rows is managed by an operator using a joystick and sitting at the rear of the implement.

On request, it is also possible to mount a fully automatic guidance system with a camera instead of having an operator





## > WEEDING UNITS

The units are equipped with double 2" rubber wheels and two ZD type fixed hoes.

Vibro springs with 105 - 150 - 200 - 250 mm hoes are then mounted between the rows depending on the configuration.

The special connection of the units on the shaped frame, allows them to be moved quickly by acting on a single fixing bolt each.





> DETAILS  
*Bio Thaser*





# > BEFORE





# > AFTER





# Bio Thresher

INTER-PLANT WEEDER



Via Feltrina Sud, 170  
31044 Montebelluna  
Treviso - Italy  
[www.sfoggia.com](http://www.sfoggia.com)

T +39 0423 24041  
T +39 0423 24042  
[info@sfoggia.com](mailto:info@sfoggia.com)

