



## Automatic Inter-row Weeder LUCY

**LUCY**– an innovative, hydraulically powered auto weeding machine is intended for destroying weeds in orchards of fruit trees, plantations of berry bushes vineyards and more other. The machine is dedicated for “organic crops”. The use of the weeder allows to reduce significantly or even eliminate the use of herbicides in the fruit production.

- The hydraulically adjustable width allows for use in crops with different row widths.
- Head Diameter 300 mm equipped with 3 vertical knives
- **LUCY Auto weeder is controlled by means of an electric console located in the tractor cab:**
  - An emergency stop push button (Red)
  - Regulate the width (A)
  - Regulate the speed of the head cultivator (B)
  - Regulate the height (C)
- **The device LUCY is produced in 2 versions:**
  1. **LU-01F:** mounted in front of the tractor by 3 point linkage or customized bracket in case no 3-PT
  2. **LU-01R:** mounted in rear of the tractor attached by 3 point linkage on universal frame that can be used for other machines as KLAUDIA finger weeder, ALEK Orchard cultivator disc & others



### Technical Specification

Version	1 Sided LU-01F	1 Sided LU-01R
Mounting method to tractor	3-point Linkage- CAT 2 or special bracket (Front)	3-point Linkage- CAT 2 (Rear)
Max Working Width	2026 mm	2010 mm
Min Working Width	2026 mm	1610 mm
Shipment Width	2026 mm	1610 mm
Length	1180 mm	1209 mm
Height	1160 mm	1066 mm
Weeding Depth	10-40 mm	10-40 mm
Weeding Head Size	300 mm	300 mm
Working Speed	1 – 3 km/h	1 – 3 km/h
Oil Requirement (l/min)	30 l/min or External PTO	30 l/min
Weight	180 kg	220 kg



**LU-01F**



**LU-01R**

Hydraulic pump+ 75 lt oil tank + Cooling Radiator

LU-01F (OPTIONAL) In case the tractor has low oil pressure pump < 30 L/min,

- The weeder is mounted on the front LU-01F or in the rear LU-01R of the tractor
  - By three point-linkage CAT-2 or
  - Connected to the tractor by a special bracket (depending on the tractor model)- **Optional**
    - The customized bracket allows lifting up the machine around 20 cm and lowering down 20 cm from the centre.
    - The additional hydraulic cylinder connected to control panel bottom to regulate the high of machine.

**Regulating the sensor for high or low sensitivity** for the strip of field between trees. Arriving at the trunk, they automatically move away from it, and after "moving around" the obstacles return to the previous setting. This solution permits to avoid any risk of plant damage.



### Shipment Data

