

# Aragonia row crops cultivator



**Row crops cultivator (hoeing machine) is a device designed for inter-row processing of agricultural crops. It is used to cultivate the soil between rows of such crops as: corn, beetroot, brassicas and many others.**

The construction of the machine makes it possible to adjust the distance between the sections in the range from 30 cm to 75 cm.

The machine can be equipped with hydraulic movement of all sections at the same time, controlled by the operator. This allows to work on sloping fields and operating very close to the plants, without damaging them. The sliding system is mounted on linear guides, which makes the entire mechanism very precise.



The working sections of the machine are equipped with a mechanism for quick change of working depth, through a knob that extends or slides the supporting wheel into the machine body. The working section is equipped with 5 spring tines S 32x10 with a straight coultter or a duck foot. There is also the possibility of ridges mounting. The machine is equipped with a rapid displacement system of working sections, which simplifies working width configuration for a given crop.



The machine is equipped with three-point linkage cat. II, with supporting wheels (adjustable height and spacing)

The machine is equipped with finger weeder that dig out and remove weeds between the planted crops. The system has cushioning and adjustable tilt angle, which significantly improve the weeding efficiency. Finger weeders are able to remove up to 90% of weeds between plants in a row while simultaneously loosening the immediate surroundings of the plant and aerating the roots. Two diameters of finger weeder are available: 300 mm and 380 mm.



The machine can be equipped with an electrically driven fertilizer sump with variable speed control. As a result, fertilizers dosage can be set in a very precise way. Thanks to the potentiometer used, dosage in the range from 5 kg to 400 kg per 1 ha of cultivation is possible.



#### TECHNICAL DATA:

Type	Number of working sections	Hydraulic movement of sections	The main frame width [m]	Transportation width [m]	Power demand [HP]	Weight [kg] *
ZSA-1	2	NO	1,3	1,3	15	130
ZSA-2	3	NO	1,8	1,8	20	220
ZSA-2-H	3	YES	1,8	1,8	20	260
ZSA-4	5	NO	3,0	3,0	40	500
ZSA-4-H	5	YES	3,0	3,0	50	600
ZSA-6-SK	7	NO	4,4	3,0	60	800
ZSA-8-SK	9	NO	5,8	3,0	80	980

\* The weight of the machine may deviate from the specified value depending on the equipment

#### Optional equipment:

- finger weeder 300 mm or 380 mm
- fertilizer spreader,
- side screens,
- duck foot for tines S 32x10
- ridges,
- wider frame for a given machine version,
- LED lighting



#### Polniva & Niva-Tech

Office: ul. Łobzowska 52/9 • 30-038 Kraków, Poland • Tel.: +48 793 724 438 • Tel.: +48 730 740 079

e-mail: polniva@polniva.pl • Production: 32-090 Zagaje Smrokowskie 4A