DECLARATION OF CONFORMITY WE



According to the Decree of the Minister of Economy of 21 October 2008 on essential requirements for equipment (Journal of Laws No. 199, item. 1228) and a Directive of the European Parliament and Council Directive 2006/42 / WE

JAR-MET Dariusz Sińczuk, Tomasz Sternicki S.K.A.

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The person responsible for preparation of technical documentation machines:

First name and last name, address, address
acting as a producer, I declare with full responsibility that the:
Machine: AFTER-CROPS SPREADER
Type/model: S121/0
Serial number :
Year of production:
Function:
to which this declaration relates, complies with all relevant provisions contained in:
Directive of the European Parliament and Council Directive 2006/42 / WE of 17 May 2006 on machinery (Acts. Office. The EU L157 of 09.06.2006, p. 24-86); Regulation of the Minister of Economy of 21 October 2008. On essential requirements for machines (Dz. U. 199, item. 1228) Regulation of the Minister of Labour and Social Policy of 14 March 2000 on occupational health and safety manual handling (Dz. U. No. 26/2000 pos. 313 with later. d.); Regulation of the Minister of Agriculture and Food Economy of 12 January 1998, on occupational health and safety when operating tractors, machines, tools and technical uzradzeń used in agriculture (Dz. U. 1998. No. 12, pos. 51) Regulation of the Minister of Labour and Social Policy of 23 June 2014, on maximum permissible concentration and intensity of harmful factors in the work environment (Dz. U. 2014. No. 0, pos. 817) Announcement of the Minister of Transport, Construction and Maritime Economy dated 6 June 2013, on the publication of the consolidated text of the Regulation of the Minister of Infrastructure on the technical specifications of vehicles and their scope of necessary equipment (Dz. U. Pos. 951/2013)
To the conformity evaluation the following harmonized standards: PN-EN ISO 4254-8:2018-08, PN-EN ISO 4254-1:2016-02
PN-EN ISO 4254-8:2018-08, and the standards and regulations: PN-EN ISO 4254-1:2016-02/A1:2022-05, PN-EN ISO 13857:2020-03 This declaration of conformity loses its validity, if the machine is changed or converted without the manufacturer's consent An integral element of the machine is manual. Transfer of machinery to another person only possible in a position to full fitness technical, accompanied by the instruction manual and declaration of conformity.
Węgrów,



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1. IDENTIFICATION

The spreader is equipped with a name plate containing the following information:

- type of the device
- model
- serial number
- · year of manufacture

Note: This information is needed in case of spare parts ordering.

2. APPLICATION

After-crops spreader RP 110 is designed for sowing small seeds like mustard, clover, rape [Brassica oleifera], oil yielding rape [Brassica campestris oleifera], etc. It can be used for grass seeds -and fertilizer granules and for spreading salt and sand.

3. CONSTRUCTION AND OPERATION

The spreader consists of a frame, tank, dosing unit and spreading disc. To the underside of the frame is screwed an electric motor, and on the motor's axis, the spreading discs are fixed. Above the disc, it is installed the dosing unit with electric actuator, as well as a tank mounted, in a special assembly of a bell shape.

Spreading width is fluently adjustable by a change of the rotational speed of the spreading disc driven by the electric motor. Dosage of the sown material is controlled manually by adjusting the shutter aperture, situated at the bottom part of the tank.

Seeding uniformity is obtained by proper setting (mechanical displacement in the slots and locking with screw)of the spreading disc blades. After -crops spreader RP 110 is electrically powered by 12v supplied from the equipment that is working within (tractor, quad, etc.)

4. DESCRIPTION OF THE MODEL AND ITS TECHNICAL FEATURES

- 1. Weight of the spreader (with the tank): approx. 30 kg
- 2. Voltage: 10 to 15 Volts
- 3. Current consumption: 15 A at start-up; ca. 10A during the normal operating mode.
- 4. Motor power: 200W
- 5. Speed range: 300 rpm 2700 rpm
- 6. Tank capacity: 110 liters
- 7. Sowing width (depending on the rotational disc revolutions): 1-122m.
- Noise emitted into the environment by working spreader does not exceed those emitted by a tractor and is below 85 dB.

If the driving vehicle is not equipped with a current generator, a battery (accumulator) must be well charged. Insufficient charging of the battery will cause difficulty in obtaining the desired number of revolutions. Extension of a cable can cause significant loss of power.



5. SPECIFICATION

MODEL	DIMENSION	WEIGHT	RECOMMENDED SEEDS	ELECTRICAL
	(mm)	(kg)		MOTOR
RP110	500x540x930	~30	seeds such as mustard, clover, rape oil yielding rape and all kinds of granules	12V, 200W, 3000 rpm

6. SAFETY AND SAFETY REGULATIONS







ATTENTION! spinning element

ATTENTION! do not insert hands

ATTENTION ! do not move the device holding it by spreading disc

Operation of the machine, work preparation, maintenance and repairs should be carried out by the user after previous reading this manual:

- The spreader can be operated only by an adult person having knowledge the spreader service principles and authorized to drive the tractor
- It is for forbidden to operate the spreader by persons under the influence of alcohol or other drugs.
- 3. The instruction manual of the spreader should be in the vicinity of the machine. In case of lending the spreader, instruction manual ought to be transferred together with the device
- 4. Upon receipt of the spreader, check whether it is not damaged during transport.
- 5. Be aware of the warnings during the start-up of the machine.
- Pay special attention during preparation the machine for operation, and when attaching or detaching the spreader to and from the tractor (or any agricultural machine, which it works with).
- The spreader may be started only when all the safety devices are arranged in a saving position.
- 8. The presence of bystanders is prohibited if the machine is in operation status.
- 9. The machine must be disconnected from the power supply during the maintenance and cleaning works.
- 10. Speed of the tractor with a spreader on the smooth roads should not exceed 15 km/h, but on a field ways, curves or uneven surfaces it should be limited to 8 km/h.
- 11. After the first hour of operation, check the tightness of all nuts and fastening bolts.
- 12. It is forbidden to use the machine, which shows signs of mechanical damage.



- 13. Malfunction in operation of the machine ought to be corrected only when the engine is switched off and the ignition key is pulled out.
- 14. Before leaving the tractor, switch off its engine and pull out the ignition key, then engage the parking brake.
- 15. It is forbidden to carry passengers on the structure of the machine.
- 16. During displacement, the spreader should be hold by the metal parts.
- 17. After the operation is finished, the machine must not be left in a place where it is a possibility to cause injury to humans or animals.
- 18. The spreader should be stored in sheltered places, after previous total emptying it from sowing debris and protection against moisture.

7. INSTRUCTIONS FOR USE

7.1. Preparing of the spreader for work

The spreader is delivered to the recipient as a completely assembled machine, with remote control [pilot] placed inside the tank. Before any action pilot ought to be taken out from the tank. Before use, check the technical condition of the device. In the event of damage or wear deteriorating operation, it is necessary to exchange faulty parts with new or regenerated ones. In addition, it is necessary to inspect the following: - Check screw connections and, in the event of plays, tighten the nuts and bolts, - Check, whether the spreading disc rotates freely, - Check, whether the shutter of the dispenser opens and closes without jamming.

7.2. Hanging the spreader

When moving the spreader grab it by the metal parts of the frame structure. Do not carry the spreader by gripping its tank. The spreader must be securely fastened by means of screws inserted and tightened in the holes of the frame. The spreader can be equipped with a suitable handle to connect the device with various agricultural machines or vehicles. e.g. Quad.

7.3. Control of sowing conditions

Changing of the disc rotational speed is made by means of an additional control panel connected by cable to the spreader. Changing the width of the dispensing opening allows control knob located under the tank at the side of the machine.

8. MAINTENANCE

8.1. Operation and maintenance

Each time before filling the tank, check the operation of the valve dispensing shutter by repeated opening and closing, as there is a risk of slider blockage. After sowing completion the tank ought to be completely emptied, the metering unit should be cleaned from the seed remnants and the spreader must be protected against moisture.

General rules of procedure for the operation and maintenance:

1. Repair, maintenance and cleaning works must be carried out only when the engine is switched off and the ignition key is pulled out.



- Nuts and bolts should be regularly checked and tightened if necessary. When replacing nuts and bolts one should pay attention to use a replacement part of the same or higher class of quality.
- 3. Make sure that the replacement screws are appropriate, and their threads are clean, which prevents damage during tightening.
- 4. When replacing use appropriate tools and gloves.
- 5. Before electrical work, welding and electrical works connected to the tractor machine it is necessary to switch off the power supply.
- 6. Replacement parts must comply with the technical requirements, set by the manufacturer,

8.2. Storage and maintenance

After seasonal works are finished, the device ought to be cleaned, the tank must be emptied from unused seed, and dosing unit should be thoroughly cleaned. Leaving the seeds at the access of moisture may cause germination and can lead to the blockade of the dosing unit The device should be stored in a dry, ventilated area and protected from dust and moisture.

8.3. Dismantling and scrapping

During dismantling and scrapping of the machine, follow the following rules: - Steel parts should be collected and classified in one place and unsuitable or not usable parts put aside to the scrap metal collection points, - Plastic parts accumulate separately, to have the possibility for recycling - It is forbidden to burn plastics and rubber parts.





9

The connection of the controller to the power supply should be direct to the power source. The "+" cable marked with a red band should be connected to the "+" of the battery, and the "-" cable marked with a blue band likew9. CONTROLLER

The connection of the controller to the power supply should be direct to the power source. The "+" cable marked with a red band should be connected to the "+" of the battery, and the "-" cable marked with a blue band likewise to the "-" of the battery.

The operation of the device starts when the main switch ON/OFF is set to "ON" position, then the electric motor starts of the spreader disc.

To start spreading, turn the knob that regulates the speed of the rotating disk. To start sowing, set the shutter slide opening switch to the "ON" position.

The disk speed is adjusted in percentage using the knob from 0 to 100% of the engine speed.

The agitator inside the tank is turned on by setting the agitator button to the "ON" position.

Completion of works done by closing the shutter slide with an appropriate button and an ON/OFF switch.

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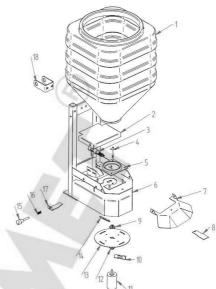
Completion of works done by closing the shutter slide with an appropriate button and an ON/OFF switch.

	SOLUTION
the fact, that it is connected to the battery.	Check, whether the fuse is in good condition. If the fuse is defective, replace it with a new one (having the same parameters).
2. The sowing disc is not rotating.	Disconnect spreader from the power supply source. Verify by hand, whether it is possible to move the disc easily. In case locking it, the obstacle is to be removed Make sure whether mixing finger is not blocked in the tank - the finger can be disassembled by unscrewing the Allen screw in the upper sleeve of the sowing disc.
3. Shutter does not close the sowing hole.	Disconnect spreader from the power supply source. Check if anything is blocking the linkage between the actuator and the shutter. If it is impossible to move the shutter by hand, it should be disassembled and thoroughly cleaned. Faulty actuator - disassemble actuator and connect it to the other power supply (12V).



12. TECHNICAL DRAWING WITH PARTS

Item Number	File Name (extension No.)	Quantity
1	00_01_0 I _Tank	1
2	01_01_01 _Rear flap	1
3	01_07_0 l _Electric actuator	1
4	01_02_0 I _ Mixing finger	1
5	00_0 02_Tank base	1
6	01_01_02_Frame	1
7	01_0 I_03_Shield	1
8	0 I_02_02_Shutter	1
9	00_03_08_Upper sleeve	1
10	00_03_06_Blade	2
11	00 07 0 1_Motor	1
12	00_03_07_ Lower sleeve	1
13	00_03_05_Disc	1
14	00_03_06_ Blade	2
15	01_04_0 Knob	1
16	01 04 02_ Knob spring	1
17	0 I_04_03_Feeder	1
18	00_02_06_Fastener holder	1



13. LIST OF PARTS

			U*11
ORD. NO.	ITEM CHARACTERISTIC	QUANTITY	FILE NUMBER
1	Screw M12x65	2	
2	Self-retaining nut M12	2	00 01 01
3	Washer M12	4	
4	Screw M8x25	2	01 01 01
5	Washer M8	2	010101
7	Screw M4x40	2	
8	Self-retaining nut M3	2	01 07 01
9	Washer M3	4	
10	Set screw with hexagon socket M8x16	2	01 02 01
11	Self-retaining nut M6	4	00.04.00
12	Wide washer M6	4	00 01 02
13	Screw M6x15	3	
14	Self-retaining nut M6	3	01 01 03
15	Washer M6	6	
16	Screw M6x16	1	
17	Washer M6	2	01 02 02
18	Self-retaining nut M6	1	
19	Screw M5x12	4	
20	Washer M5	8	00 03 06
21	Self-retaining nut M5	4	
22	Screw M5x16	2	
23	Washer M5	4	00 03 05
24	Self-retaining nut M5	2	
25	Washer M10	1	00.04.04
26	Split cotter 2.5x20	1	00 04 01
27	Screw M10x35	2	
28	Self-retaining nut M10	2	00 02 06
29	Washer M10	4	



14. TABLE SOWING MUSTARD SEEDS

Working width (m)		- 2	2			- 4	4			(3			8	3			1	0	
Sowing disc			5%			1	5%			3	0%			4	0%			5	0%	
Travelling speed (km/h)	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12
Opening sowing hole (wit graduation)																				
At 10 kg/ha	1,0	1,2	1,4	1,6	1,2	1,4	1,6	1,8	1,6	1,8	2,0	2,2	2,0	2,2	2,4	2,6	2,2	2,4	2,6	2,8
At 15kg/ha	1,8	2,0	2,2	2,4	2,0	2,2	2,4	2,6	2,4	2,6	2,8	3,0	2,8	3,0	3,2	3,4	3,0	3,3	3,6	3,9
At 25kg/ha	2,6	2,8	3,2	3,2	2,8	3,0	3,2	3,4	3,2	3,4	3,6	3,8	3,6	3,8	4,0	4,2	4,1	4,4	4,7	5,0

Note: The specified parameters match of sowing with height 80 cm. Carry out a test before starting sowing.

CALIBRATION TEST

You should do a calibration test order to determine the opening of dosage valve for appropriate sowing seed one ha. Spreader should be inserted in the carton this will allow for weighed sowing seeds. You should use information in the table for correctness setting of bowl speeds to using sowing widths (residual value of bowl speeds shall during as observing sowing width).

QUANTITY SOWING SEEDS SHALL BE DETERMINED BY FORMULA

quantity sowing x traveling speed x sowing width/600= quantity sowing/min

$$\frac{\text{kg/ha} \times \text{km/hxm}}{600} = \text{kg/min}$$

Example:
Desired seed dosing - 25 kg/ha
Travelling speed -12 km/h
Desired sowing widths - 3m

$$\frac{25\text{kg/ha} \times 12\text{km/h} \times 3\text{m}}{600} = 1,5\text{kg/mir}$$

Following an analysis of that data by open the valve on "2,4" and we get sowing on 1,2kg/min, we will have the valve on "2,8" and again check to sow in kg/min. The measurement must be repeated several Times to find the right value of opening the valve for search value quantity sowing.

WARRANTY CARD

AFTER-CROPS SPREADER

Machine symbol	S121/0	
Serial number		
Year of production		
Date of sale		
Seller signature		
		Seller stamp

A

CAUTION

It is seller's obligation to fill in the warranty card and complain forms carefully (legibly). Lack of for example date of sale or stamp of sales point shall put the user at risk of not acknowledging possible complaints. Warranty card with any written corrections or filled in illegibly – is invalid.

Warranty proceedings rules

- 1. A user is understood as a natural or legal person purchasing an agricultural equipment and a seller as a corporate unit providing equipment to the user and a manufacturer as a producer of agricultural equipment.
- Manufacturer ensures good quality and efficient operation of the meadow-field drag, to which the warranty card is attached.
- 3. Any defects or damage of the meadow-field drag shall be fixed free of charge at the place of the purchaser in the period of 12 months from the sales date.
- 4. Any revealed defects or damages shall be reported in person, by post mail or by phone.
- 5. If during warranty period, occurs a necessity of performing 3 warranty repairs and the product will still reveal defects disabling its usage according to its intended use, the purchaser is entitled to have the product exchanged into a new, flawless one or refund.
- 6. If manufacturer, seller and user will not establish another term for considering the complaint, exchanging the product or refund, it should be made within 14 days from the date of reporting it by the user.
- 7. If due to the warranty, a part of the machine has been exchanged or repaired and its cost exceeds 30% of the value of the new machine, warranty period starts all over again from the date of giving the new or repaired part.
- 8. Warranty repairs do not cover repairs caused by:
 - using the drag inconsistently with the manual and intended use,
 - acts of God or others for which the guarantor does not take responsibility.
 - After warranty repairs can be performed only at the user/purchaser cost.
- 9. Guarantor can cancel warranty on the product in case of stating:
 - introducing structural changes and interference in internal parts of the drag.
 - occurring any damages caused by acts of God,
 - lack of necessary records or any made by one's own records in the warranty card,
 - using the meadow-field drag inconsistently with intended use or manual.

Complaint form no 1	
After-crops spreader type S121/0	
	Seller's signature and stamp
Complaint protocol number	(&-)
Complaint form no 2	
After-crops spreader type S121/0 Serial number Date of purchase	
	Seller's signature and stamp
Complaint protocol number	
Complaint form no 3	
After-crops spreader type S121/0	
	Seller's signature and stamp

Complaint protocol number.....

After repair I received technically efficient equipment on(date)
User's signature Notices:
(Q-)
After repair I received technically efficient equipment on(date)
User's signature Notices:
After repair I received technically efficient equipment on(date)
User's signature Notices: