

SWISSMEX®

MANUAL DE OPERADOR



FERTILIZADORA MICROGRÁNULO AGRÍCOLA DE PRECISIÓN 4 LÍNEAS

Se acopla a toda la línea de sembradoras
suprema.

Este equipo le aplicará con exactitud lo
que requiere su cultivo. Su calibrador de
precisión regula el paso del producto a
aplicar según las dosis requerida y el
material fluye de forma precisa y
constante.

MODELO

456810

INTRODUCING OF MICROGRANUL APPLICATOR

Microgranule applicator (microgranulator) provides crop protection and fertilizing during initial stages of development with the application of drug, pesticide and herbicide in powder or microgranular form. In addition the plant nutrient, spherical granular fertilizers and microgranular fertilizers up to a maximum 2 mm granule size, are delivered accurately into the seed furrow, even at very low rates.

- Dosing arranged mechanically,
- Dosing decreases according to speed decrease while turning. Dosing completely stops when wheels stop. It will increase again with speed sensitively,
- For all pneumatic precision planter models with fertilizer tank, mechanical type microgranule applicator can be equipped with the additional transmission system.

Each one 35L capacity plastic tanks provide a solution to distributing chemical products in the seed furrow concurrently, reduce waste and improve efficiency.

Distributors on the microgranulator are easy, fast, precise and comfortable adjustment for uniform distribution at different dosage levels.

This device is made from plastic, and as such, does not require lubrication.

DISTRIBUTION ADJUSTMENT



- **Following usage adjustments should be conducted by expert operator who must always use appropriate Personal Protective Equipment (PPE).**



To perform the distributor adjustment do following steps:

- All adjustment operations must be performed with the tractor engine off, the PTO disengaged, the machine lowered to the ground or on security stands, the parking brake set and the ignition key off.
- Verify the number of teeth on the drive wheel gear and corresponding gear and determine relevant division on the table;
- Find the requested norm in kg/da from the column of the drive wheel gear and corresponding gear;
- Move your finger left and see on which position should be adjusted.
- By using by using letters (from A to E) and numbers (from 0 to 9), move the plastic screw **(see fig. A)** to the specified position by turning forward or backward for changing the size of the each distributor's gap.
- Parts indicated by the arrow in figure function as a cursor.

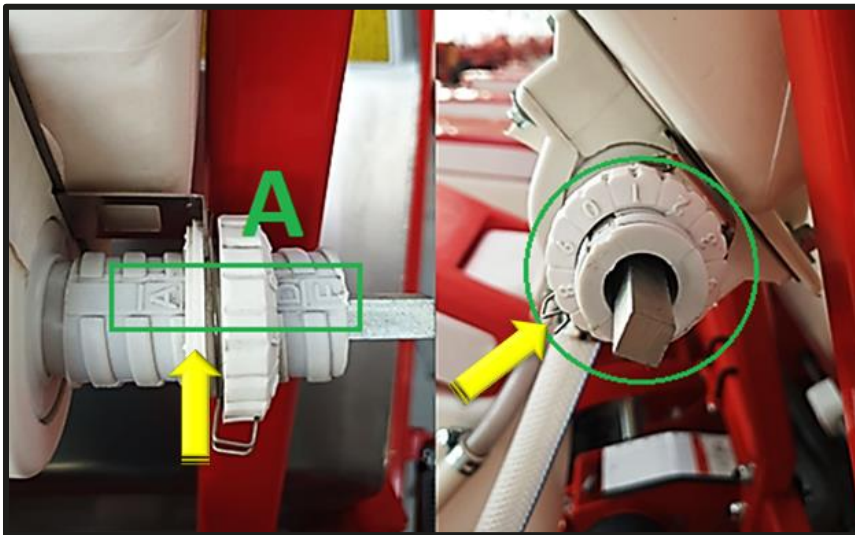


Figure- The distributor adjustment



Always make sure all the distributor adjustments at the same position.

DISTRIBUTION NORM ADJUSTMENT TABLE

Space between rows 30 cm				Space between rows 35 cm				Space between rows 40 cm				Space between rows 45 cm				Space between rows 50 cm			
Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16	
Wheel 16 Microgranulator 23		Degree		Decare - kg		Degree		Decare - kg		Degree		Decare - kg		Degree		Decare - kg		Degree	
A10		4,5		A10		9,3		A10		3,3		A10		6,8		A10		2,7	
B5		5,9		B5		12,2		B5		4,4		B5		9,1		B5		3,5	
B10		7,6		B10		15,7		B10		5,7		B10		11,8		B10		4,5	
C5		9,2		C5		19,0		C5		6,9		C5		14,3		C5		5,5	
C10		10,9		C10		22,6		C10		8,2		C10		17,0		C10		6,6	
D5		12,6		D5		26,1		D5		9,4		D5		19,5		D5		7,6	
D10		14,3		D10		29,6		D10		10,7		D10		22,1		D10		8,6	
E5		15,5		E5		32,1		E5		11,7		E5		24,2		E5		9,6	
E10		16,0		E10		33,1		E10		12,0		E10		24,8		E10		9,6	
Space between rows 55 cm				Space between rows 60 cm				Space between rows 70 cm				Space between rows 80 cm				Space between rows 90 cm			
Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16		Gear Type		Wheel 23 Microgranulator 16	
Wheel 16 Microgranulator 23		Degree		Decare - kg		Degree		Decare - kg		Degree		Decare - kg		Degree		Decare - kg		Degree	
A10		2,4		A10		5,0		A10		1,9		A10		3,9		A10		1,5	
B5		3,2		B5		6,6		B5		2,5		B5		5,2		B5		2,0	
B10		4,1		B10		8,5		B10		3,2		B10		6,6		B10		2,5	
C5		5,0		C5		10,4		C5		4,0		C5		8,3		C5		3,1	
C10		6,0		C10		12,4		C10		4,7		C10		9,7		C10		3,7	
D5		6,9		D5		14,3		D5		5,4		D5		11,7		D5		4,2	
D10		7,8		D10		16,1		D10		6,1		D10		12,6		D10		4,8	
E5		8,5		E5		17,6		E5		6,7		E5		13,9		E5		5,2	
E10		8,7		E10		18,0		E10		6,8		E10		14,1		E10		5,3	

TABLE IS PREPARED ACCORDING TO 1 DECARE (1000 m²).
TESTS WERE DONE WITH MIXED MICROGRANULATOR
INCLUDING FURACARB 5G (NEMATOSIT GRANUL G)

Table- Distribution norm adjustment table



- In the table, based on the inter-row distance, the norm/density (specific weight), identify the amount per decare of chemical product to be distributed are only approximate values, because the specific weight and size of the chemical products are often different. The manufacturer is not liable for complaints, caused to the specific weight which is written on the chemical product packaging, or failing that!
- Also high humidity chemical products cause uneven distribution. Therefore it is recommended to do trial distributing for a few metres to check that chemical product is taking place as desired, and especially check that the distributing amount per linear row corresponds to that intended!
- The chemical products should be filling by expert operator who must always use appropriate Personal Protective Equipment (PPE). Clear the people and animals from the area for preventing them from chemical materials!
- Do not put heavy materials into the plastic tanks. It can damage the distributor system.

Distribution Pipe Adjustment

Distribution pipes should be clamped on the planting units of the pneumatic precision planter.

Distribution pipes and planting units can be in the same line, **if falling of seed and chemical product into the same bed can NOT damage (burn) the seed. Consult the manufacturer of chemical product!**



Before adjusting the distribution pipes, make sure that all of planting units have the same adjustments.