



FERTILIZER SPREADERS

USER GUIDE



HT ALPLER

ATTENTION



**DO NOT
OPERATE THE MACHINES
BEFORE READING THIS MANUAL!**

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WARNING SIGNS & MEANINGS



CAUTION

This sign warns that the operations described could cause damage to machine, if they are not carried out correctly.



READ MANUAL FIRST

Read the "Operating and Maintenance Manual" carefully before first start and keep the manual nearest.



WARNING

This sign warns that the operations described could cause serious lesions or long term health risks, if they are not carried out correctly.



KEEP CHILDREN AWAY

This symbol expresses to keep the children away against any risk.



Be careful against danger of entrapment.



DO NOT STAND NEAR THE MACHINE WHILE IT IS WORKING

This symbol expresses not to stand near the machine while it is working to avoid any injury.



Do not carry people or loads on the plough.



REVOLVING DEVICE

Stay clear of mower knife area as long as tractor engine is running



RISK of HANDS to be INJURED

Do not open or remove safety shields while the engine is running



RISK of MARKER ACCIDENT

Be careful while standing next to the marker discs and marker arms. These are movable organs of the implement when attached to the tractor.



ROTATING OBJECTS

There are parts on the machine which turn and rotate even when not attached to the tractor. Keep your fingers, hands and clothes away from them and be careful if you have to touch.



Shut off engine and remove key before performing maintenance or repair work.

1. INTRODUCTION

Dear Farmer,

Firstly, we congratulate you for your correct preference on the way to efficiency by selecting the brand “ALPLER”. As your agricultural partner, we offer you our product in which we combined high quality, low operational cost and effective after-sale service concept.

All of “ALPLER” products are designed for the most efficient and the safest use and tested accordingly in cooperation with the relevant university departments, agricultural establishments and farmers. We request you to read the user manual before the first operation in order to use our product in a more effective manner as well as for product and your own safety. The failures that may result from using the product beyond the instructions for use specified in this manual are not covered by “ALPLER” warranty. “ALPLER” products are manufactured for agricultural utilization purposes only, and our company does not assume any liability against the conditions arising from misuse. Maintenance, repair and operation of our products must be carried out by those who were informed on the relevant and possible dangers.

Enjoy your new product and we wish you productive and fruitful years.

We hope to serve you for a long time...



CAUTION

If the product owner changes in the future, please submit this manual to the new owner of the product and inform on safety measures.

2. SAFETY RULES

2.1. INTRODUCTION

According to the statistics any 37 lethal work accident from a 100 is happening at agricultural operations. This shows how careful we must be while working with our tractors and with the implements we work with.

Most of the accidents are happening because people not paying enough attention to the safety instructions and legal regulations.

Agricultural implements are operated by the help of strong motor vehicles "Tractors" so we consider them as one not apart from other. So we assume that any person who is prepared to use the implement described in this manual book has a licence to use tractor.

With this consciousness it is very important to read, learn and obey the safety instructions.

There are other instruction symbols on your machine which will help you to get more efficiency from your machine, which will help you to avoid damaging or breaking down the machine described in this manual book.

2.2. SAFETY INSTRUCTIONS FOR TRACTOR OPERATORS

1. Only the ones who has matching and valid licence to use a tractor can operate.
2. There should be a safety roof bar on the tractor. The operator should also fasten the seatbelt while seated in the tractor.
3. The operational voice level may disable the operator to hear or clearly understand the voices from time to time. For this reason while doing jobs with more than one operators operators should know the most useful, common sign language.
4. Avoid wearing loose cloths or accessories while working. They might be grabbed by any rotating organ of the tractor or the implement attached to the tractor. This may cause very big injuries or even deaths.
5. The tractor and it's main organs especially moving outer organs should be checked every day before start working.
6. Make sure that the safety chain of the PTO shaft is locked while working. Make also sure that the plastic safety barrier is on the both sides of the PTO shaft. Make sure that the correct (marked) side of the PTO shaft is connected to the tractor. You should periodically apply grease to your PTO shaft.
7. Make sure that the implement is set to the ground for any reason of stopping the operation.
8. Use correct front or rear additional weights on your tractor according to the specifications of the implement you will use.
9. Make sure that the hydraulic pump is on position while you connect or disconnect the hydraulic jags of the implement. It is advised to use work safety clothes, glasses, gloves and etc.
10. Tractor driver should make sure that all safety tools mentioned in this manual and or signed on the implement are existing before starting to operate.
11. DO NOT TRY to operate this agricultural equipment with a tractor the does not match with the descriptions matching on this manual.
12. The behavior of the tractor while an implement is attached is not the same on inclined fields and on flat fields. Always be carefull when working on inclined fields. In case you notice a problem with the balance of the tractor stop operating. Also the operating speed should be less on inclined fields when compared with flat fields.
13. It is advised to check the the gearbox is not on any gear position and the PTO drive bar arms are free before starting the engine.
14. Make sure that the implement described in this manual is set to transportation position before driving on any road open to public use.
15. If it is necessary to make any electrical work, repair, system set up on the tractor make sure that – pole is disconnected from the battery.
16. Never stand below the hydraulic arms of the tractor when an implement is attached and lifted up.
17. You should use correct type and category of attachment pins, bolts, nuts and etc in case not provided with the implement or replaced by you.
18. Try to avoid suddent breaks when the implement is attached to the tractor if not necessary.
19. Make sure that all the lamps, signal lamps, parking lamps are in working condition. Both of the tractor and of the implement.
20. Keep your first aid knowledge and experience updates. First aid techniques save lives.

2. SAFETY RULES

2.3. SAFETY INSTRUCTIONS ABOUT OPERATING THE IMPLEMENT SUBJECT TO THIS USERS' MANUEL

1. Watch the surrounding before you start operating. Make sure that there are no children, pets, animals, old or disabled people around. Make sure that there is nothing alive or object in your operating area.
2. It is strictly forbidden to allow any one to sit, stand or hanged to the implement while transportation and operation.
3. Make sure that the hydraulic arms that are carrying the 3 point hitch system of the implement are locked during transportation.
4. It is possible that the agricultural implements can throw stones while working in the field. For this reason other people should not come close to the implement while it is operating in the field.
5. Make sure that you have received a training about the implements from an authorized technical staff.
5. Do not stand near to the implement when the tractor is not stopped and handbrake is not towed. Also do not stand near to the implement if there is another operator on the tractor while the engine is on.
7. Be careful while turning at the corners. Take the corners slowly. Make sure that there is no one or no object in the maneuver area at the corners.
8. Do not put yourself, your hands or your foot into the tank of the implements for any reason while operating.
9. Control the hydraulic hoses, jags and etc periodically to make sure they are not damaged and safe to use.
10. Any repairing or modification which is done by unauthorised people will cause the warranty terms to be out of act.

3. TECHNICAL SPECIFICATIONS & PROPERTIES

3.1. TECHNICAL PROPERTIES

ALPLER Fertilizer Spreader is designed for;

- Working widths with the range of 10, 12, 15, 18 and 24 metres
- Tank capacity with the range of 800, 1000, 1200, 1400, 1600 and 2000 liters
- Operating speed with the range of 6, 8, 10, 12 and 15 km/h
- Solid formed fertilizers with diameter in between 2 - 10 mm
- Solid formed fertilizers that can roll down on surfaces with 40 degrees of slope.

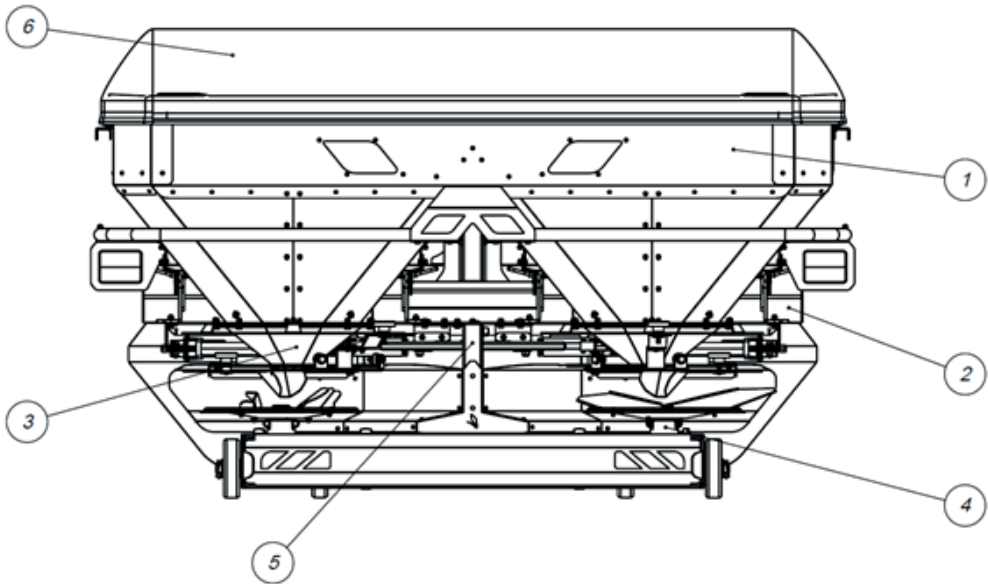
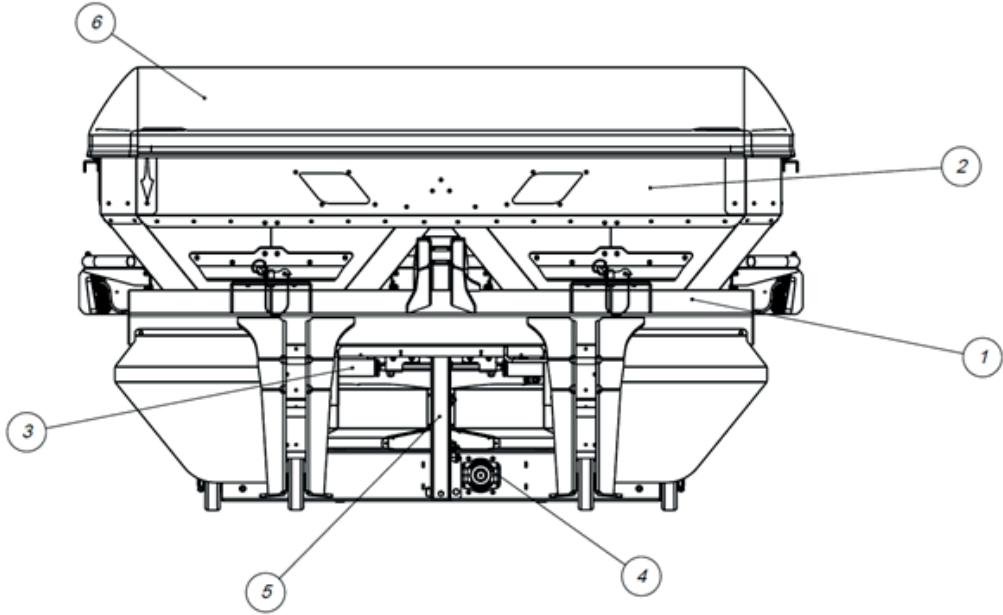
3. TECHNICAL SPECIFICATIONS & PROPERTIES

3.2. TECHNICAL SPECIFICATIONS

	A-FS08	A-FS10	A-FS12	A-FS14	A-FS16	A-FS20
Add-On tank size (liters)	-	200	400	400+200	400+400	1200
Total tank capacity (liters)	800	1000	1200	1400	1600	2000
(A) Width (mm)	2150	2150	2150	2150	2150	2590
(B) Height (mm)	1095	1205	1315	1425	1535	1600
(C) Length (mm)	1187	1187	1187	1187	1187	1187
(D) Tank Length (mm)	1022	1022	1022	1022	1022	1022
(E) Tank With (mm)	2030	2030	2030	2030	2030	2030
(F) Total Height with Tent (mm)	1305	1415	1525	1635	1745	1810
Total Weight (kg)	481	505	519	544	557	610
Tank Type	Hexagonal, Foldable, Detachable					
Signals & Lamps	Stop & Signal Lamps on each side, Led type projectors at each side for night shift					
Min. Power Reuirement (hp)	45	50	80	100	110	130
Min. – Max. Spreading Capacity (kg/hectare)	Min. 50 / Maximum 1.000					
Operating Speed Choices (km/hour)	6, 8, 10, 12, 15					
In tank mixer form and material	Special Form made of 5mm stainless steel 304 quality					
Transmission to the mixer	Chain type with double redactor gear transmission with tension control					
RPM of the mixer	0,215					
Vertical angle of the fertilizer bottom tank	51 degrees					
Types of spreadable fertilizers	Crystal, Granular, Piril, Pellet					
Working Widths Choosable (meters)	10-12-15-18-24, (36 with special discs)					
Tent Cover	Standart					
Calibration System	Optional					
Dropping point for fertilizer from tank to the spreader disc	Adjustable, Made of stainless steel					
Limitator for the field border edges	Optional					
Mud Fender	Standard & made of 304 quality stainless steel					
Trolley for trailed type usage	Optional					
Electronic speed & dosage control systems with GPS module	Optional					

4. MAIN SECTIONS OF THE SPREADER

There are 6 main sections which are mounted to each other and can be disassembled in case needed to repair or replace.



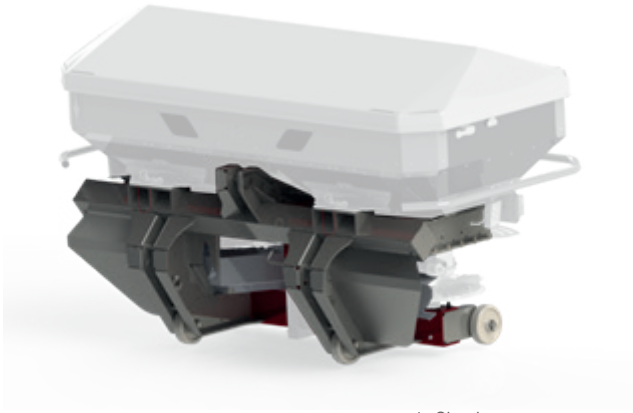
- 1. Main Chassis
- 2. Fertilizer Tank
- 3. Dosage Adjustment Mechanism

- 4. Gearbox & Spreading Mechanism
- 5. Tank Mixer
- 6. Tent Cover

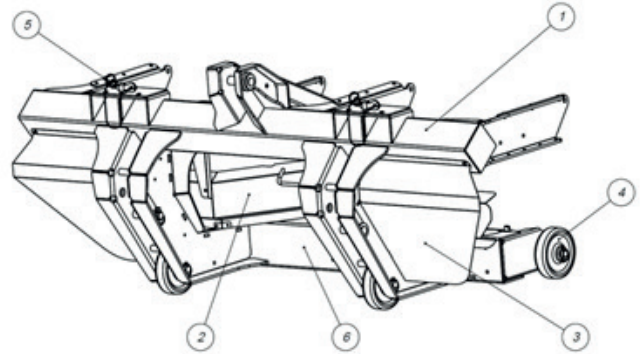
4. MAIN SECTIONS OF THE SPREADER

4.1. MAIN CHASSIS

It is the main part on which all other parts and components are attached to and which takes all the force of the weight of the spreader.



- 1. Chasis
- 2. Disc Protector
- 3. Mud fender



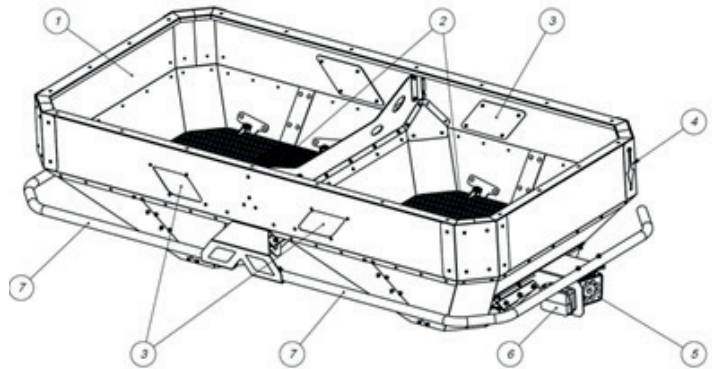
- 4. Plastic Wheels
- 5. Tank Lock Pins
- 6. Gearbox Frame

4.2. FERTILIZER TANK

The smallest tank is 800 liters. By putting additional parts on it the capacity can be extended up to 1600 lt even after time.



- 1. Tank
- 2. Sieves
- 3. Tank Windows
- 4. Plumbs



- 5. LED Projector
- 6. Park, stop & signal lamps
- 7. Safety Bar

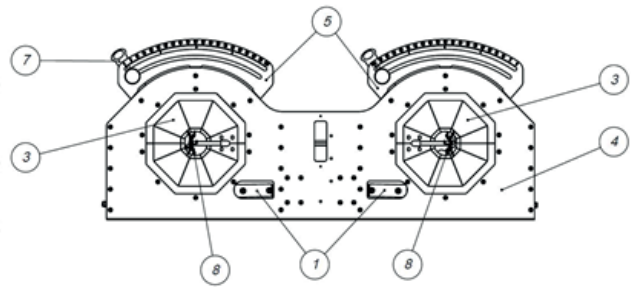
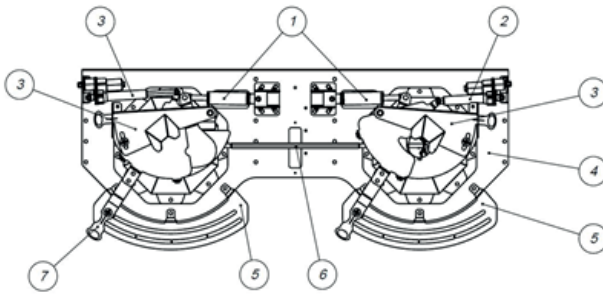
4. MAIN SECTIONS OF THE SPREADER

4.3. DOSAGE ADJUSTMENT MECHANISM

This is the mechanism by which you determine the fertilizer per hectare and the dropping point of the fertilizer to the disc.



Norm adjustment is done by the help of a scale divided into 100.



1. Hydraulic Dosage Adjustment
2. Linear Activator
3. Left & Right Dischargers
4. Surface Steel

5. Scales for dosage adjustments
6. Mixer Bar
7. Dosage Adjustment Arm
8. Mixer

4.4. GEARBOX MECHANISM & FERTILIZER SPREADER DISCS

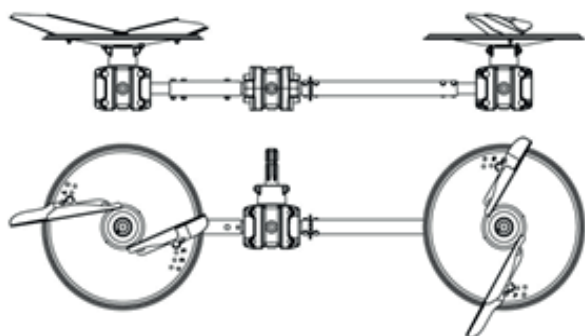


Gearboxes;

T type gearbox: It is the gearbox in the middle which distributes the motion from PTO drive shaft to the two spreader disc and to the mixer in the fertilizer tank.

L type gearbox: It changes the direction of motion from central gearbox and at the same time increases the RPM to achieve enough speed on the spreader discs.

4. MAIN SECTIONS OF THE SPREADER



Spreader Discs:

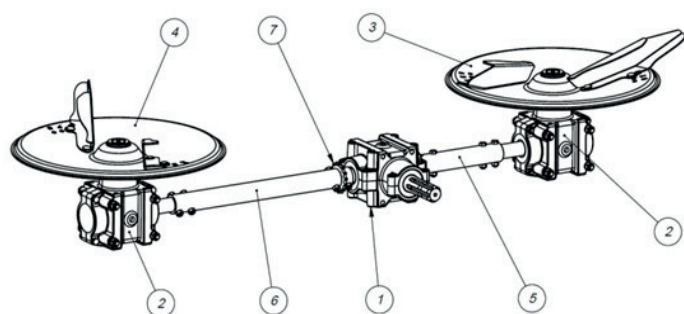
There are two of them on each side and each of them has two flaps on. One of the flaps is longer than the other one.



IMPORTANT NOTE:

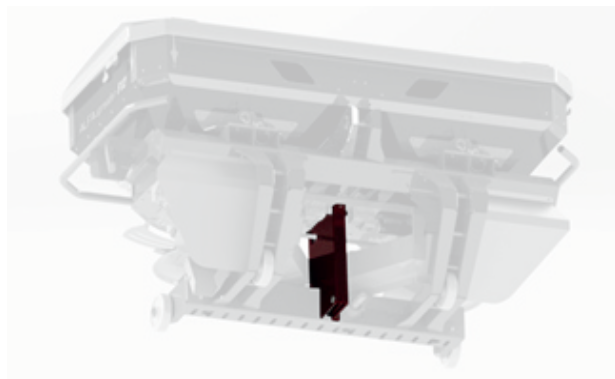
The position of the flaps on one disc should have a 90 degrees difference to the other.

Please look at the picture on the left. This is important so that the distribution of the fertilizer is even and the fertilizers coming out from both discs are not hitting to each other more than allowed.



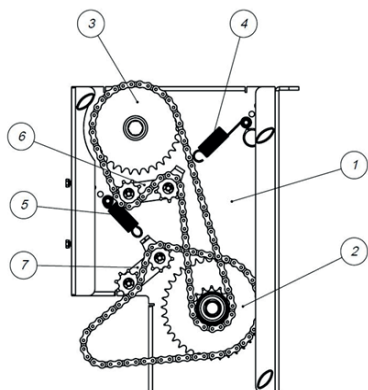
1. "T" Gearbox
2. "L" Şanzıman
3. Left Disc
4. Right Disc
5. Short Shaft
6. Long Shaft
7. Gear for the mixer mechanism

4.5. MIXER TRANSMISSION MECHANISM



There is a mixing mechanism placed at the bottom of the fertilizer hopper. It is working on a centralized horizontal axis. The motion required is coming from the central T gearbox and there is a transmission system which reduces the RPM to a certain level so that the mixer is not damaging the ideal form of the granulated fertilizer but also avoiding the fertilizer to become like turf.

By the help of the mixer there is a good and continuous flow in the tank. There is double transmission sprockets which helps the reduce of PTO by almost 5 times. Also there is a unique tension system which assures that the chain system is always working properly.



1. Chain transmission mechanism for the mixer
2. Z15-Z36 Transmission Sprocket Group
3. Z29 Upper Sprocket
4. Upper Tension Spring
5. Lower Tension Spring
6. Upper Tension
7. Lower Tension

5. LINKAGE TO THE TRACTOR & POSITIONING THE SPREADER

In order to make it possible that you can use this spreader both with big and small tractors there are two different positions for the linkage pins to be placed at sides.

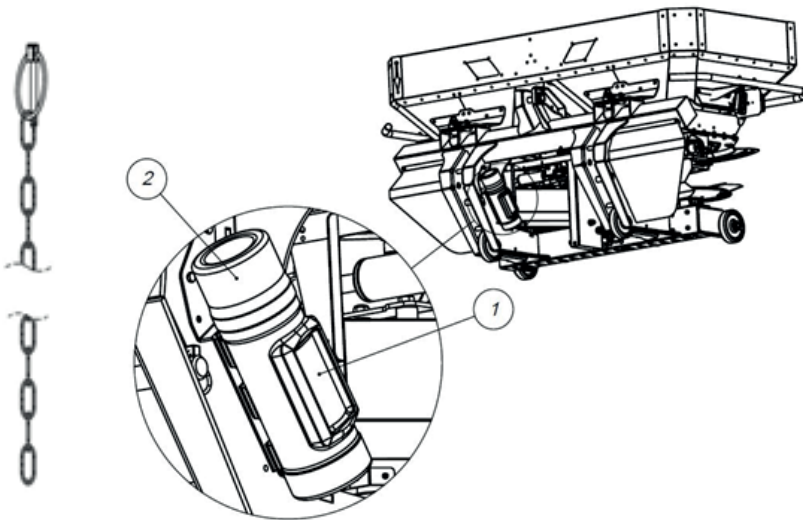
It is necessary to make two adjustments after you attach the spreader to your tractor but before starting spreading operation. These are "height adjustment" and "inclination adjustment".

Height Adjustment:

Take out the adjustment chain from the plastic toolbox which is attached on to the chasis.

Insert the pin to the hole on the pin as shown in the picture.

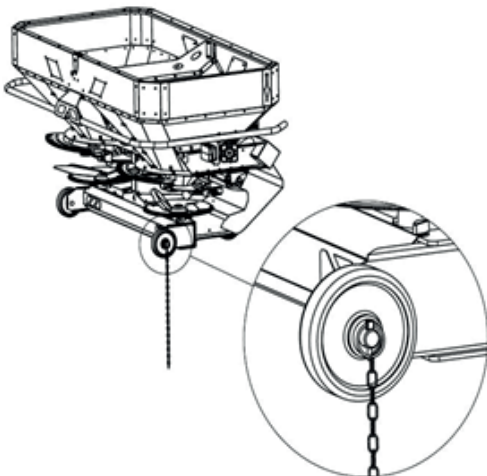
Lift up the fertilizer spreader until only the edge of the chain touches the ground.



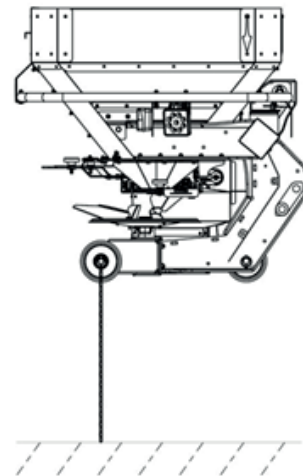
1. Tool Box

2. Cover of the Tool Box

Turn the cover a quarter of a tour towards left handside and pull upwards. Height adjustment chain, is a simple chaing with a lock pin on top edge. In case lost you can replace with a chain of 62 cm in legth.



Placing the height adjustment chain



Correct Adjustment

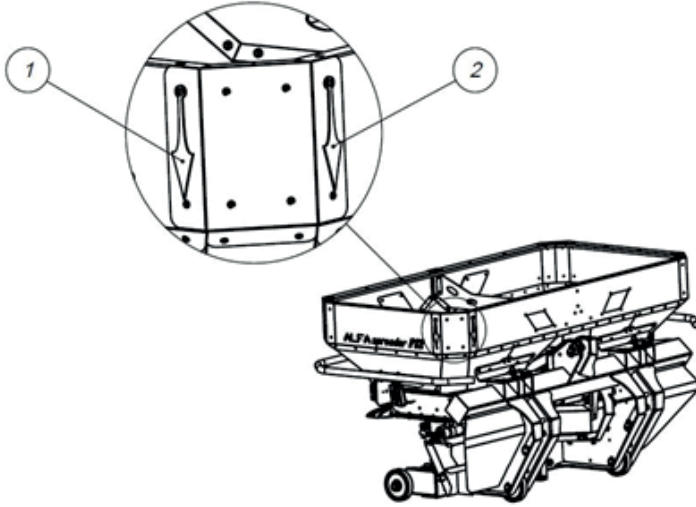
5. LINKAGE TO THE TRACTOR & POSITIONING THE SPREADER

Inclination Adjustment:

In order to do the job properly you should make sure that the spreader is parallel to the ground surface in both directions.

So we placed two plumbs on right front corner of the machine.

Make sure that both of them are vertical to the ground.



1. Plumb for length side

2. Plumb for width side

6. ADJUSTMENTS

There are two main adjustments to be done. First one is to adjust the “work width” which means the width of the area that you want to spread fertilizer at once in an effective way while moving forward in the field.

The second adjustment is to set the amount of fertilizer you want to distribute per hectare. We call this “dosage adjustment”. You will have to use the tables presented at the end of the manual which are called the SETTINGS in order to do these two main adjustments.

Please follow these steps in order to make the adjustments easily and correctly.

We will give examples to make the explanation be understood.

6. ADJUSTMENTS

Example: Lets assume that we want to spread urea (in prill form) fertilizer to our field. Let the desired dosage be 220 kg/he, working width 15 meter and operating speed 10 km/h.

1. Step: Find the table matching the type of the fertilizer you want to spread.



Tepsi Yüksekliği (Yerden):					85 cm					GÜBRE					220 dm3/kg														
Kaynak Mili Devri					1					540 D/D																			
Gübre:					ÜRE %46																								
İş Geni:					10 m iş genişliği					12 m iş genişliği					15 m iş genişliği					18 m iş genişliği					24 m iş genişliği				
Kanat Ayarı:					A 2-6					C 2-6					F 2-6					F 2-7									
HIZ					6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Skala					km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h
0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5					0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
10					1.2	0.9	0.7	0.6	0.5	1.0	0.8	0.6	0.5	0.4	0.8	0.6	0.5	0.4	0.3	0.7	0.5	0.4	0.3	0.3					
15					4.4	3.3	2.6	2.2	1.7	3.6	2.7	2.2	1.8	1.4	2.9	2.2	1.7	1.4	1.2	2.4	1.8	1.4	1.2	1.0					
20					9.1	6.8	5.4	4.5	3.6	7.5	5.6	4.5	3.8	3.0	6.0	4.5	3.6	3.0	2.4	5.0	3.8	3.0	2.5	2.0					
25					15.7	11.7	9.3	7.8	6.2	13.0	9.8	7.8	6.5	5.2	10.4	7.8	6.2	5.2	4.2	8.7	6.5	5.2	4.3	3.5					
30					25.3	18.9	15.1	12.6	10.1	21.1	15.8	12.6	10.5	8.4	16.9	12.6	10.1	8.4	6.7	14.1	10.5	8.4	7.0	5.6					
35					37.1	27.7	22.1	18.5	14.8	30.9	23.1	18.4	15.4	12.3	24.7	18.5	14.8	12.3	9.9	20.6	15.4	12.3	10.3	8.2					
40					54.8	41.0	32.7	27.3	21.9	45.7	34.2	27.3	22.8	18.2	36.5	27.3	21.8	18.2	14.6	30.5	22.8	18.2	15.2	12.2					
45					70.4	52.6	42.0	35.1	28.1	58.6	43.8	35.0	29.2	23.4	46.9	35.1	28.0	23.4	18.7	39.1	29.2	23.3	19.5	15.6					
50					90.0	67.3	53.7	44.9	35.9	75.0	56.1	44.8	37.4	29.9	60.0	44.9	35.8	29.9	23.9	50.0	37.4	29.9	24.9	20.0					
55					114.4	85.5	68.3	57.0	45.6	95.3	71.3	56.9	47.5	38.0	76.3	57.0	45.5	38.0	30.4	63.5	47.5	37.9	31.7	25.4					
60					143.0	106.9	85.4	71.3	57.1	119.2	89.1	71.2	59.4	47.6	95.3	71.3	56.9	47.5	38.0	79.5	59.4	47.4	39.6	31.7					
65					161.4	120.7	96.4	80.5	64.4	134.5	100.6	80.3	67.1	53.7	107.6	80.5	64.3	53.7	42.9	89.7	67.1	53.6	44.7	35.8					
70					181.3	135.6	108.3	90.4	72.4	151.1	113.0	90.2	75.3	60.3	120.9	90.4	72.2	60.3	48.2	100.7	75.3	60.2	50.2	40.2					
75					204.9	153.2	122.4	102.1	81.8	170.8	127.7	102.0	85.1	68.1	136.6	102.1	81.6	68.1	54.5	113.8	85.1	68.0	56.7	45.4					
80					222.1	166.1	132.6	110.7	88.6	185.1	138.4	110.5	92.3	73.9	148.1	110.7	88.4	73.8	59.1	123.4	92.3	73.7	63.5	49.2					
85					231.4	173.0	138.2	115.3	92.3	192.8	144.2	115.1	96.1	76.9	154.2	115.3	92.1	76.9	61.5	128.5	96.1	76.8	64.1	51.3					
90					238.2	178.1	142.3	118.8	95.1	198.5	148.5	118.6	99.0	79.2	158.8	118.8	94.8	79.2	63.4	132.4	99.0	79.0	66.0	52.8					
95					262.0	195.9	156.5	130.6	104.6	218.3	163.3	130.4	108.8	87.1	174.7	130.6	104.3	87.1	69.7	145.6	108.8	86.9	72.6	58.1					
100					275.6	206.1	164.6	137.4	110.0	229.7	171.7	137.1	114.5	91.6	183.7	137.4	109.7	91.6	73.3	153.1	114.5	91.4	76.3	61.1					

UYARILAR

Yukarıdaki değerler, işletim olarak yaptığımız saha deneyimleri ve gözlemlerinin sonucu olup tavsiye niteliğindedir.

Gübrelerin biçim ve özgül ağırlıkları üretici firmaya göre değişiklik gösterebilir. Bu nedenle net ağırlıkların belirlenebilmesi için küçük bir parselde kalibrasyon yapılmasını öneririz.

Note: Fertilizer type is written on the third row of each table. UREA for our example is marked with the balloon "1".

6. ADJUSTMENTS

2. Step: Find the desired working width on the table.

Using the same table shown at step one we find the desired working width which is 15 m in our example and which is marked with balloon "2". It is recommended to use correct seeding & planting techniques and equipments to create traces for you. You will need these traces to follow while spreading fertilizer and they will help you to make even "homegenious" spreading.

Tepsi Yüksekliği (Yerden):

85 cm

Gübre Yoğunluğu

Kayruk Milî Devri

540 D/D

Gübre:

ÜRE %46

İş Geni:

10 m iş genişliği

12 m iş genişliği

15 m iş genişliği

18 m iş genişliği

24 m iş genişliği

Kanat

A 2-6

C 2-6

F 2-6

F 2-7

Ayarı:

HIZ

6 8 10 12 15 6 8 10 12 15 6 8 10 12 15 6 8 10 12 15 6 8 10 12 15

km/h km/h

Skala

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

0.0 0.2 1.2 4.4 9.1 15.7 25.3 37.1 54.8 70.4 90.0 114.4 143.0 161.4 181.3 204.9 222.1 231.4 238.2 262.0 275.6

0.0 0.2 0.9 3.3 6.8 11.7 18.9 27.7 41.0 52.6 67.3 85.5 106.9 120.7 135.6 153.2 166.1 173.0 178.1 195.9 206.1

0.0 0.1 0.7 2.6 5.4 9.3 15.1 22.1 32.7 42.0 53.7 68.3 85.4 96.4 108.3 122.4 132.6 138.2 142.3 156.5 164.6

0.0 0.1 0.6 2.2 4.5 7.8 13.0 21.1 31.8 45.7 58.6 75.0 95.3 108.5 123.0 139.1 151.2 158.8 165.1 180.3 190.3

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Other option is to use GPS connected systems and digital maps where available.



WARNING:

It is not available to achieve 24m of working width with some type of fertilizers like UREA and Amonium Sulfate. So the tables do not contain any parapeters on the section of 24 meters for such fertilizers. The reason of this is that the density of such fertilizers are not enough to be spreaded that wide. Also the average size of the granules of these fertilisers are not big and heavy enough to be thrown 12 meters away. If possible the derivatives of these fertilizers with bigger average sizes should be used to achive 24 meters of working width.

6. ADJUSTMENTS

3. Step: Adjusting the falling position and flap position:

The first two steps helps us to find the letter and numbers indicated in the below table with balloon “3”

By the help of the letters and figures we will make two more adjustments.

Falling Point: At the bottom of the hopper there are two openings through where the fertilizer falls on each spreading discs. The centre of these openings can move from a position to another. We call the position of this point as “falling position”.

</

3: The adjustment references matching the fertilizer and working width in the example we gave.

6. ADJUSTMENTS

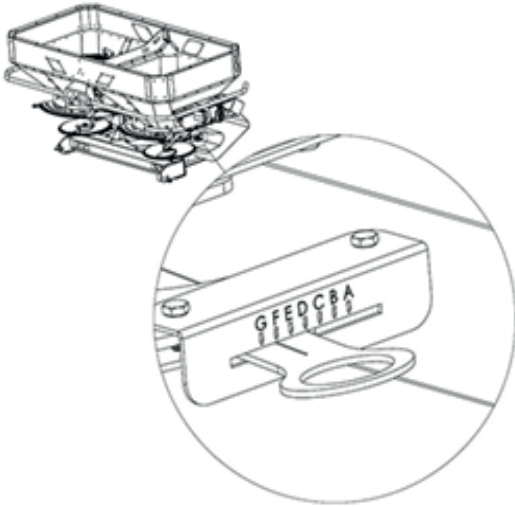
The letter (F in our example) shows the correct position of falling point adjustment arm (two on both sides, one for each disc)

The numbers show the correct fixing position of the flaps.

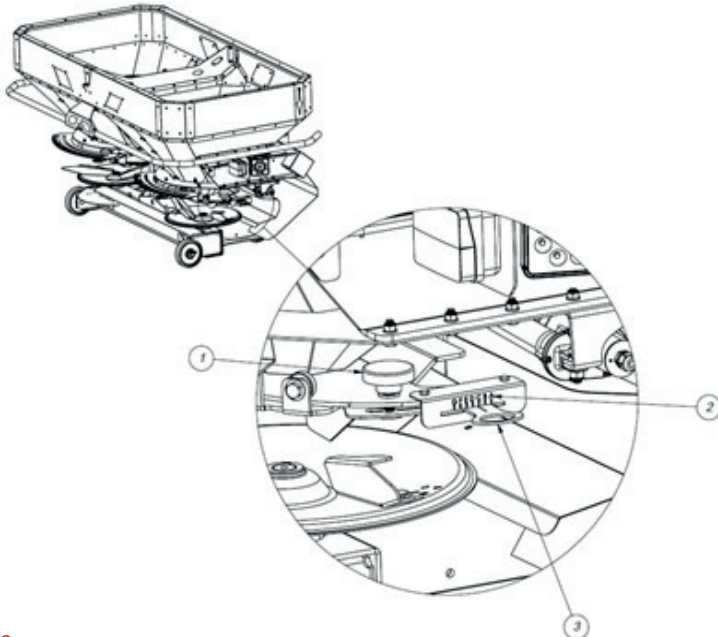
The first number "2" is for the SHORT FLAP, and the second number "6" is for the LONG FLAP



Düşme Noktası Değeri



Kanat Değeri



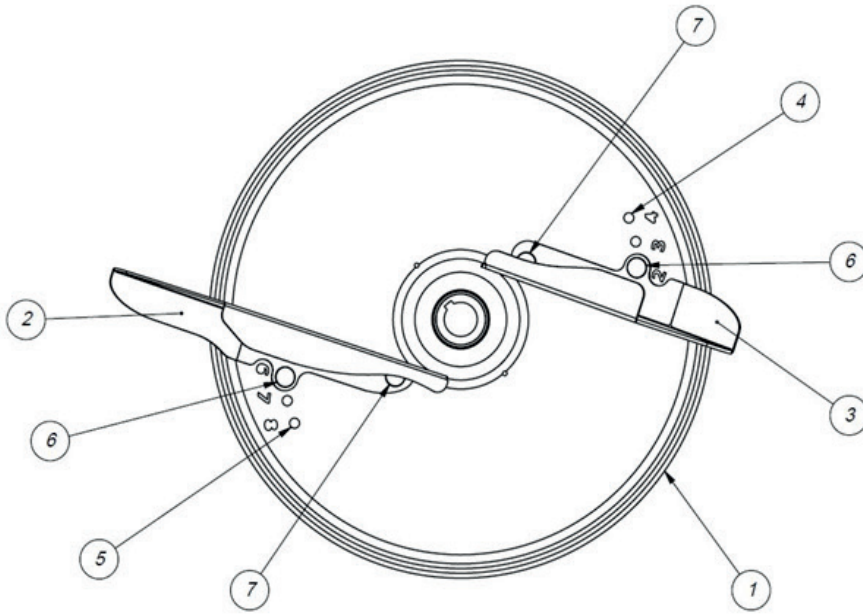
Adjusting the falling point: Loosen the plastic handled screw in order to release the adjustment arm shown in the picture. Bring the centre of the arm to the letter which we have determined above. (In our case it will be F).

Fix the screw.

Do the same on the opposite side of the spreader for the other falling point.

6. ADJUSTMENTS

Adjusting the flaps : By loosening the bolts shown with no6 we give the suitable position to the flaps. As you can see the short flap on right side is fixed at the hole "2" and the long flap on the left side is fixed at hole "6" which matches with our example settings.

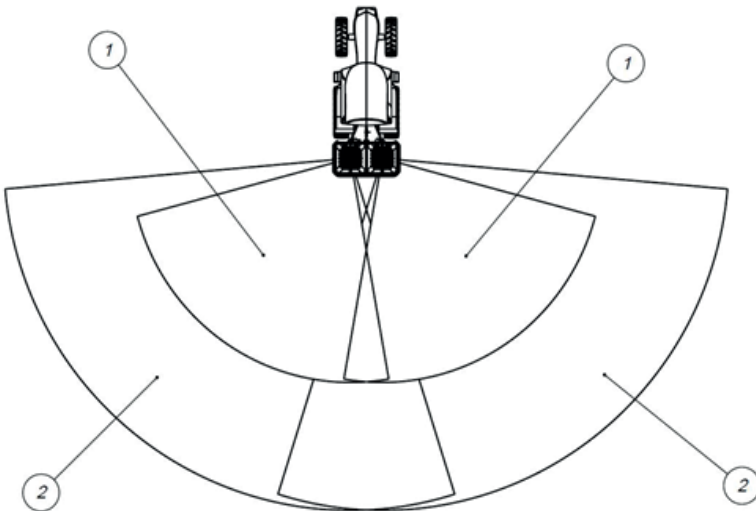


1. Spreading DISC
2. Long Flap
3. Short Flap
4. Short Flap Scale Holes
5. Long Flap Scale Holes
6. Positioning Bolts
7. Fastening Bolts (to be used if flaps to be replaced)



WARNING:

Scales in between 1-4 are always for the SHORT FLAPS where the scales in between 5-8 are always for the LONG FLAPS. So in case you have to replace your flaps make sure that you place them according to this information. If you do not obey this reminding the spreading norms will be completely wrong and will not be even as it should be.

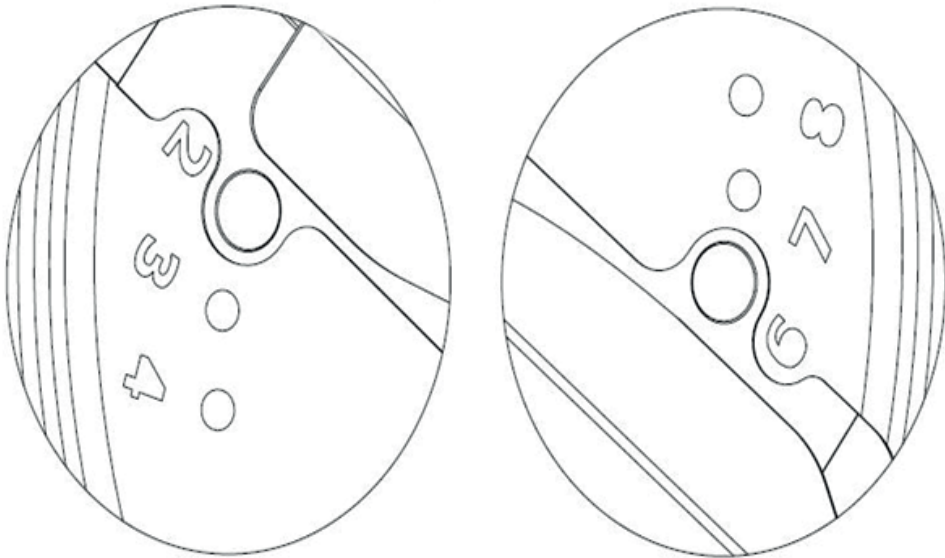


Section 1 shows the area where the short flaps are throwing and the section 2 shows the area where long flaps are throwing fertilizers to.

6. ADJUSTMENTS

Adjustment combination A 1-5 allows the minimum working width.

Adjustment combination G 4-8 allows the maximum working width.



The Picture illustrates the correct positioning of the flaps according to our example.

SHORT FLAP

LONG FLAP

4. Step: Operating Speed

There are 5 different operating speed available on our dosage adjustment tables. These are 6, 8, 10, 12 ve 15 km/h. We should mark the column on which the speed we decided is written. In our example it is 10 km / h and marked with balloon “4” on the below table.



WARNING:

DO NOT FORGET that the PTO should run with 540 RPM during spreading operation. For some tractors which do not have the automatic PTO RPM setup this RPM will be related with enging RPM. In such cases you should set up the most suitable operating gear choice to ensure that you get the correct speed and correct PTO RPM at the same time.

Operating speed is a very important factor that effects the dosage of fertilizer per hectare. Try to keep your speed and motor RPM constant during the operation.

There is a net deviation of 33% in amount of fertilizer per hectare between the operation speed of 6 km/h and operation speed of 8 km/h.

More the difference in the landscape more the difference of operating speed happens. For example at a field which is located on a side of a hill the the climbing and descending RPM & gears should be adjusted carefully to maintain the correct operating speed.

6. ADJUSTMENTS

Tepsi Yüksekliği (Yerden):

85 cm

Gübre Yoğunluğu:

Kayruk Mili Devri

1

540 D/D

Gübre:

ÜRE %46

İş Geni:

10 m iş genişliği

12 m iş genişliği

15 m iş genişliği

18 m iş genişliği

24 m iş genişliği

Kanat Ayarı:

A 2-6

C 2-6

F 2-6

F 2-7

HIZ

6 km/h

8 km/h

10 km/h

12 km/h

15 km/h

6 km/h

8 km/h

10 km/h

12 km/h

15 km/h

6 km/h

8 km/h

10 km/h

12 km/h

15 km/h

6 km/h

8 km/h

10 km/h

12 km/h

15 km/h

6 km/h

8 km/h

10 km/h

12 km/h

15 km/h

Skala

0

5

10

15

20

25

30

35

40

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1,2

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1,7

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1,2

2,4

1,8

1,4

1,2

1,0

9,1

6,8

5,4

4,5

3,6

7,5

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4,5

3,8

3,0

6,0

4,5

3,6

3,0

2,4

5,0

3,8

3,0

2,5

2,0

15,7

11,7

9,3

7,8

6,2

13,0

9,8

7,8

6,5

5,2

10,4

7,8

6,2

5,2

4,2

8,7

6,5

5,2

4,3

3,5

25,3

18,9

15,1

12,6

10,1

21,1

15,8

12,6

10,5

8,4

16,9

12,6

10,1

8,4

6,7

14,1

10,5

8,4

7,0

5,6

37,1

27,7

22,1

18,5

14,8

30,9

23,1

18,4

15,4

12,3

24,7

18,5

14,8

12,3

9,9

20,6

15,4

12,3

10,3

8,2

54,8

41,0

32,7

27,3

21,9

45,7

34,2

27,3

22,8

18,2

36,5

27,3

21,8

18,2

14,6

30,5

22,8

18,2

15,2

12,2

70,4

52,6

42,0

35,1

28,1

58,6

43,8

35,0

29,2

23,4

46,9

35,1

28,0

23,4

18,7

39,1

29,2

23,3

19,5

15,6

90,0

67,3

53,7

44,9

35,9

75,0

56,1

44,8

37,4

29,9

60,0

44,9

35,8

29,9

23,9

50,0

37,4

29,9

24,9

20,0

114,4

85,5

68,3

57,0

45,6

95,3

71,3

56,9

47,5

38,0

76,3

57,0

45,5

38,0

30,4

63,5

47,5

37,9

31,7

25,4

143,0

106,9

85,4

71,3

57,1

119,2

89,1

71,2

59,4

47,6

95,3

71,3

56,9

47,5

38,0

79,5

59,4

47,4

39,6

31,7

161,4

120,7

96,4

80,5

64,4

134,5

100,6

80,3

67,1

53,7

107,6

80,5

64,3

53,7

42,9

89,7

67,1

53,6

44,7

35,8

181,3

135,6

108,3

90,4

72,4

151,1

113,0

90,2

75,3

60,3

120,9

90,4

72,2

60,3

48,2

100,7

75,3

60,2

50,2

40,2

204,9

153,2

122,4

102,1

81,8

170,8

127,7

102,0

85,1

68,1

136,6

102,1

81,6

68,1

54,5

113,8

85,1

68,0

56,7

45,4

222,1

166,1

132,6

110,7

88,6

185,1

138,4

110,5

92,3

73,9

148,1

110,7

88,4

73,8

59,1

123,4

92,3

73,7

61,5

49,2

231,4

173,0

138,2

115,3

92,3

192,8

144,2

115,1

96,1

76,9

154,2

115,3

92,1

76,9

61,5

128,5

96,1

76,8

64,1

51,3

238,2

178,1

142,3

118,8

95,1

198,5

148,5

118,6

99,0

79,2

158,8

118,8

94,8

79,2

63,4

132,4

99,0

79,0

66,0

52,8

262,0

195,9

156,5

130,6

104,6

218,3

163,3

130,4

108,8

87,1

174,7

130,6

104,3

87,1

69,7

145,6

108,8

86,9

72,6

58,1

275,6

206,1

164,6

137,4

110,0

229,7

171,7

137,1

114,5

91,6

183,7

137,4

109,7

91,6

73,3

153,1

114,5

91,4

76,3

61,1

4

4. Operating speed 10km/h



WARNING:

At higher operating speeds the distribution of fertilizer granules become more UNEVEN. Even at weather conditions without wind the granules will be effected by the high operating speed as if there is some wind. This may cause difficulties to achive a good result. So the operator should take the optimum speed by taking some parameters into consdiration such as; Working width, dosage, fertilizer type, average granul size & weight. If the desired working width is not at limits, dosage is not at minimum limits and the fertilizer granul size is not very small and there is no wind than you can maximize your speed.

6. ADJUSTMENTS

5. & 6. Steps: Dosage Adjustment:

We find the closest figure to the desired dosage rate on the column which we marked at step 4.

According to our example 218 is the closest figure to 220 which we mentioned in our example.

218 is shown with balloon "5" on the below table.

When we mark the row where 218 is we go to the LEFT side of the table on that row and mark the figure on the first column which is the DOSAGE scale figure suitable for our example.

As shown with balloon "6" for our case the dosage scale figure is "40".

Tepsi Yüksekliği (Yerden):

85 cm

Gübre Yoğunluğu :

0,81 dm3/kg

Kuyruk Mili Devri :

540 D/D

Gübre:

ÜRE %46

İş Geni:

10 m iş genişliği

12 m iş genişliği

15 m iş genişliği

18 m iş genişliği

24 m iş genişliği

Kanat Ayar:

A 2-6

C 2-6

F 2-6

F 2-7

Hız

Skala

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95

100

6

5

6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
0,2	0,1	0,1	0,1	0,1	0,2	0,1	0,1	0,1	0,1	0,2	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1
0,7	0,6	0,5	1,0	0,8	0,6	0,5	0,4	0,8	0,6	0,5	0,4	0,8	0,6	0,5	0,4	0,8	0,6	0,5	0,4	0,8	0,6	0,5	0,4	0,3
2,2	1,7	3,6	2,7	2,2	1,8	1,4	2,9	2,2	1,8	1,4	2,9	2,2	1,8	1,4	2,9	2,2	1,8	1,4	2,9	2,2	1,8	1,4	2,9	2,2
4,5	3,6	7,5	5,6	4,5	3,8	3,0	6,0	4,5	3,6	3,0	6,0	4,5	3,6	3,0	6,0	4,5	3,6	3,0	6,0	4,5	3,6	3,0	6,0	4,5
7,8	6,2	13,0	9,8	7,8	6,5	5,2	10,4	7,8	6,2	5,2	10,4	7,8	6,2	5,2	10,4	7,8	6,2	5,2	10,4	7,8	6,2	5,2	10,4	7,8
15,1	12,6	26,0	19,6	15,1	12,6	10,4	20,8	15,1	12,6	10,4	20,8	15,1	12,6	10,4	20,8	15,1	12,6	10,4	20,8	15,1	12,6	10,4	20,8	15,1
27,1	22,7	44,2	34,5	27,1	22,7	18,5	37,0	27,1	22,7	18,5	37,0	27,1	22,7	18,5	37,0	27,1	22,7	18,5	37,0	27,1	22,7	18,5	37,0	27,1
41,9	34,5	67,0	52,0	41,9	34,5	28,1	56,2	41,9	34,5	28,1	56,2	41,9	34,5	28,1	56,2	41,9	34,5	28,1	56,2	41,9	34,5	28,1	56,2	41,9
70,4	52,6	105,1	81,7	70,4	52,6	43,8	87,6	70,4	52,6	43,8	87,6	70,4	52,6	43,8	87,6	70,4	52,6	43,8	87,6	70,4	52,6	43,8	87,6	70,4
90,0	67,3	134,6	104,9	90,0	67,3	56,1	112,2	90,0	67,3	56,1	112,2	90,0	67,3	56,1	112,2	90,0	67,3	56,1	112,2	90,0	67,3	56,1	112,2	90,0
114,4	85,5	169,8	132,6	114,4	85,5	69,3	138,6	114,4	85,5	69,3	138,6	114,4	85,5	69,3	138,6	114,4	85,5	69,3	138,6	114,4	85,5	69,3	138,6	114,4
143,0	106,9	213,8	167,3	143,0	106,9	89,1	178,2	143,0	106,9	89,1	178,2	143,0	106,9	89,1	178,2	143,0	106,9	89,1	178,2	143,0	106,9	89,1	178,2	143,0
161,4	120,7	241,4	189,1	161,4	120,7	100,6	201,2	161,4	120,7	100,6	201,2	161,4	120,7	100,6	201,2	161,4	120,7	100,6	201,2	161,4	120,7	100,6	201,2	161,4
181,3	135,6	281,1	220,9	181,3	135,6	113,0	226,0	181,3	135,6	113,0	226,0	181,3	135,6	113,0	226,0	181,3	135,6	113,0	226,0	181,3	135,6	113,0	226,0	181,3
204,9	153,2	322,4	251,8	204,9	153,2	127,7	255,4	204,9	153,2	127,7	255,4	204,9	153,2	127,7	255,4	204,9	153,2	127,7	255,4	204,9	153,2	127,7	255,4	204,9
222,1	166,1	352,6	277,3	222,1	166,1	138,4	276,8	222,1	166,1	138,4	276,8	222,1	166,1	138,4	276,8	222,1	166,1	138,4	276,8	222,1	166,1	138,4	276,8	222,1
231,4	173,0	368,2	292,3	231,4	173,0	144,2	288,4	231,4	173,0	144,2	288,4	231,4	173,0	144,2	288,4	231,4	173,0	144,2	288,4	231,4	173,0	144,2	288,4	231,4
238,2	178,1	376,2	301,8	238,2	178,1	148,5	297,0	238,2	178,1	148,5	297,0	238,2	178,1	148,5	297,0	238,2	178,1	148,5	297,0	238,2	178,1	148,5	297,0	238,2
262,0	195,9	410,6	324,5	262,0	195,9	163,3	326,6	262,0	195,9	163,3	326,6	262,0	195,9	163,3	326,6	262,0	195,9	163,3	326,6	262,0	195,9	163,3	326,6	262,0
275,6	206,1	441,6	347,4	275,6	206,1	171,7	343,4	275,6	206,1	171,7	343,4	275,6	206,1	171,7	343,4	275,6	206,1	171,7	343,4	275,6	206,1	171,7	343,4	275,6

6. ADJUSTMENTS

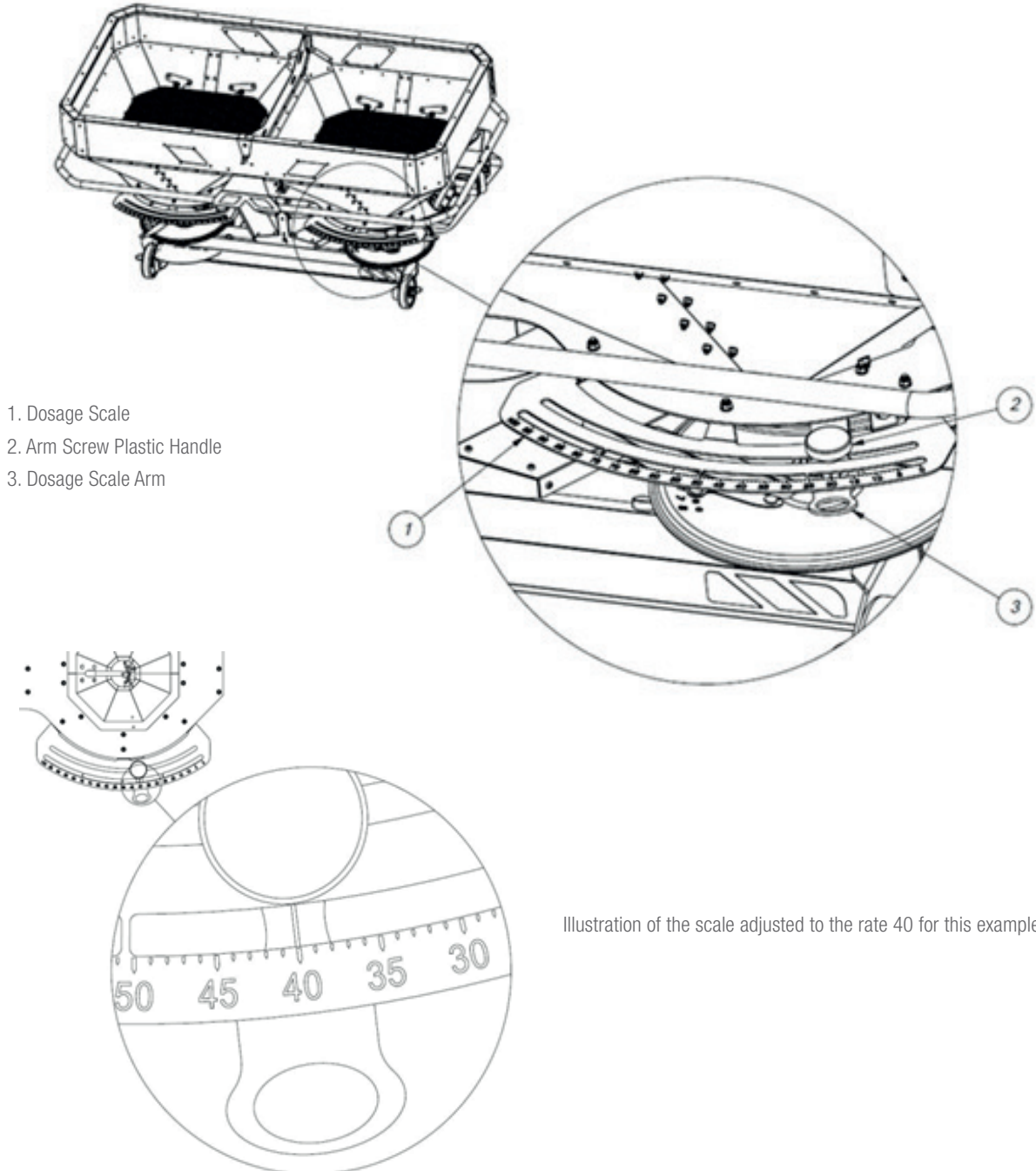
7. Step: Dosage Adjustment:

Loosen the plastic handle screw (2).

Reposition the arm (3) on the scale according to the figure determined in step 6. In our case it will be 40.

Fix the arm by tightening the screw handle again.

Do the same on the other disc's scale as well.



7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS



NOTE:

The figures below should be taken advise according to our field test and observations.

Because the shape, size and density of the fertilisers are different from each other depending on the manufacturer WE ADVISE YOU to make your own calibration & control at a small piece of field with every new fertiliser type that you will use the first time with ALPLER FERTILISER SPREADER. You can keep your own notes for the ideal adjustments for using in the future.

You will notice that dosage figures for 24 meters of working width for some fertilisers are not AVAIABLE.

These are the types of fertilisers which are not big enough or heavy enough to be thrown to 24 meters in total and in a homogeneous way. Please ask for the correct form of the fertiliser from the fertiliser supplier in case 24 meters is a must for you.

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		UREA 46 % kg / hectare															Density of fertiliser :		0,81 kg/dm3							
		10 meters					12 meters					15 meters					18 meters					24 meters				
		A 2-6					C 2-6					F 2-6					F 2-7									
Work Width	Positions	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Speed		km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h
Dosage Skale																										
0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		2	2	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10		12	9	7	6	5	10	8	6	5	4	8	6	5	4	3	7	5	4	3	3	3	3	3	3	3
15		44	33	26	22	17	36	27	22	18	14	29	22	17	14	12	24	18	14	12	10	10	10	10	10	10
20		91	68	54	45	36	75	56	45	38	30	60	45	36	30	24	50	38	30	25	20	20	20	20	20	20
25		157	117	93	78	62	130	98	78	65	52	104	78	62	52	42	87	65	52	43	35	35	35	35	35	35
30		253	189	151	126	101	211	158	126	105	84	169	126	101	84	67	141	105	84	70	56	56	56	56	56	56
35		371	277	221	185	148	309	231	184	154	123	247	185	148	123	99	206	154	123	103	82	82	82	82	82	82
40		548	410	327	273	219	457	342	273	228	182	365	273	218	182	146	305	228	182	152	122	122	122	122	122	122
45		704	526	420	351	281	586	438	350	292	234	469	351	280	234	187	391	292	233	195	156	156	156	156	156	156
50		900	673	537	449	359	750	561	448	374	299	600	449	358	299	239	500	374	299	249	200	200	200	200	200	200
55		1144	855	683	570	456	953	713	569	475	380	763	570	455	380	304	635	475	379	317	254	254	254	254	254	254
60		1430	1069	854	713	571	1192	891	712	594	476	953	713	569	475	380	795	594	474	396	317	317	317	317	317	317
65		1614	1207	964	805	644	1345	1006	803	671	537	1076	805	643	537	429	897	671	536	447	358	358	358	358	358	358
70		1813	1356	1083	904	724	1511	1130	902	753	603	1209	904	722	603	482	1007	753	602	502	402	402	402	402	402	402
75		2049	1532	1224	1021	818	1708	1277	1020	851	681	1366	1021	816	681	545	1138	851	680	567	454	454	454	454	454	454
80		2221	1661	1326	1107	886	1851	1384	1105	923	739	1481	1107	884	738	591	1234	923	737	615	492	492	492	492	492	492
85		2314	1730	1382	1153	923	1928	1442	1151	961	769	1542	1153	921	769	615	1285	961	768	641	513	513	513	513	513	513
90		2382	1781	1423	1188	951	1985	1485	1186	990	792	1588	1188	948	792	634	1324	990	790	660	528	528	528	528	528	528
95		2620	1959	1565	1306	1046	2183	1633	1304	1088	871	1747	1306	1043	871	697	1456	1088	869	726	581	581	581	581	581	581
100		2756	2061	1646	1374	1100	2297	1717	1371	1145	916	1837	1374	1097	916	733	1531	1145	914	763	611	611	611	611	611	611

RPM of the PTO drive shaft : 540 rpm

Height of the spreader disc from ground : 85 cm

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

RPM of the PTO drive shaft : 540 rpm																	
Height of the spreader disc from ground : 85 cm												kg / hectare					
Granulised Urea 46 %						15 meters						Density of fertiliser :					
10 meters						12 meters						18 meters					
A 2-5						C 2-8						E 3-7					
A 2-5						C 2-8						E 4-6					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
A 2-5						C 2-8						F 4-8					
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A 2-5						C 2-8						F					

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		Calcium Ammonium Nitrate (CAN) kg/hectare															RPM of the PTO drive shaft : 540 rpm																			
		10 meters					12 meters					15 meters					18 meters					Density of fertiliser :		1,1 kg/dm3												
Work Width		C 2-6															G 2-7					E 3-7					F 4-8									
Positions																																				
Speed Dosage Scale		6 km/h	8 km/h	10 km/h	12 km / h	15 km / h	6 km/h	8 km/h	10 km/h	12 km / h	15 km / h	6 km/h	8 km/h	10 km/h	12 km / h	15 km / h	6 km/h	8 km/h	10 km/h	12 km / h	15 km / h	6 km/h	8 km/h	10 km/h	12 km / h	15 km / h										
	0																																			
5	3	2	2	2	1	3	2	2	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1										
10	13	10	8	6	5	11	8	6	5	4	9	6	5	4	3	7	5	4	3	5	4	3	5	4	3	2										
15	60	45	36	30	24	50	37	30	25	20	40	30	24	20	16	33	25	20	17	13	25	19	15	12	10											
20	131	98	78	65	52	109	81	65	54	43	87	65	52	43	35	73	54	43	36	29	54	41	33	27	22											
25	240	180	143	120	96	200	150	120	100	80	160	120	96	80	64	133	100	80	67	53	100	75	60	50	40											
30	380	284	227	189	152	317	237	189	158	126	253	189	151	126	101	211	158	126	105	84	158	118	95	79	63											
35	568	425	339	283	227	473	354	283	236	189	379	283	226	189	151	315	236	188	157	126	237	177	141	118	94											
40	783	586	468	390	313	653	488	390	325	260	522	390	312	260	208	435	325	260	217	174	326	244	195	163	130											
45	1063	795	635	530	424	886	662	529	442	353	709	530	423	353	283	590	442	353	294	236	443	331	264	221	177											
50	1344	1005	803	670	536	1120	837	669	558	447	896	670	535	447	358	747	558	446	372	298	560	419	334	279	223											
55	1663	1243	993	829	663	1386	1036	827	691	553	1108	829	662	553	442	924	691	552	460	369	693	518	414	345	276											
60	2036	1523	1216	1015	813	1697	1269	1013	846	677	1357	1015	811	677	542	1131	846	675	564	451	848	634	507	423	339											
65	2409	1802	1439	1201	961	2008	1501	1199	1001	801	1606	1201	959	801	641	1338	1001	799	667	534	1004	751	599	500	401											
70	2871	2147	1715	1431	1146	2393	1789	1429	1193	955	1914	1431	1143	954	764	1595	1193	953	795	637	1196	895	714	596	477											
75	3293	2462	1966	1642	1314	2744	2052	1639	1368	1095	2195	1642	1311	1094	876	1830	1368	1092	912	730	1372	1026	819	684	548											
80	3672	2745	2192	1830	1465	3060	2288	1827	1525	1221	2448	1830	1462	1220	977	2040	1525	1218	1017	814	1530	1144	913	763	610											
85	4078	3049	2435	2033	1627	3398	2541	2029	1694	1356	2718	2033	1623	1355	1085	2265	1694	1353	1129	904	1699	1270	1015	847	678											
90	4347	3251	2596	2167	1735	3623	2709	2163	1806	1446	2898	2167	1731	1445	1157	2415	1806	1442	1204	964	1811	1354	1082	903	723											
95	4419	3305	2639	2203	1763	3683	2754	2199	1836	1470	2946	2203	1759	1469	1176	2455	1836	1466	1224	980	1841	1377	1100	918	735											
100	4532	3389	2706	2259	1808	3777	2824	2255	1883	1507	3021	2259	1804	1506	1206	2518	1883	1503	1255	1005	1888	1412	1128	941	754											

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		20 - 20 - 20 fertiliser kg/hectare															RPM of the PTO drive shaft : 540 rpm	
		20 - 20 - 20 fertiliser kg/hectare															Density of fertiliser :	
		10 meters					15 meters					18 meters					24 meters	
Work Width		A 1-5					A 2-6					E 2-5					E 2-7	
Positions		A 1-5					A 2-6					E 2-5					E 2-7	
Speed		6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h
Dosage Skale		6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	2	2	2	1	1	3	2	2	1	1	2	2	1	1	1	1	1
10	10	7	6	5	4	4	8	6	5	4	3	6	5	4	3	2	4	3
15	43	32	26	21	17	17	36	27	21	18	14	29	21	17	14	11	24	18
20	94	70	56	47	38	38	79	59	47	39	31	63	47	38	31	25	52	39
25	167	125	100	83	67	67	139	104	83	69	56	111	83	66	55	44	93	69
30	262	196	157	131	105	105	219	164	131	109	87	175	131	104	87	70	146	109
35	399	298	238	199	159	159	332	249	198	166	133	266	199	159	133	106	222	166
40	536	401	320	267	214	214	447	334	267	223	178	358	267	214	178	143	298	223
45	747	558	446	372	298	298	622	465	371	310	248	498	372	297	248	199	415	310
50	940	703	562	469	375	375	784	586	468	391	313	627	469	374	313	250	522	391
55	1184	885	707	590	472	472	986	738	589	492	394	789	590	471	393	315	658	492
60	1410	1055	842	703	563	563	1175	879	702	586	469	940	703	561	469	375	784	586
65	1732	1295	1034	863	691	691	1443	1079	862	719	576	1155	863	689	576	461	962	719
70	2028	1517	1211	1011	809	809	1690	1264	1009	843	674	1352	1011	807	674	540	1127	843
75	2301	1721	1374	1147	918	918	1918	1434	1145	956	765	1534	1147	916	765	612	1278	956
80	2615	1956	1562	1304	1044	1044	2179	1630	1301	1086	870	1744	1304	1041	869	696	1453	1086
85	2822	2110	1685	1407	1126	1126	2352	1758	1404	1172	938	1881	1407	1123	938	751	1568	1172
90	3137	2345	1873	1564	1252	1252	2614	1954	1561	1303	1043	2091	1564	1249	1042	834	1743	1303
95	3230	2415	1929	1610	1289	1289	2692	2013	1607	1342	1074	2154	1610	1286	1074	859	1795	1342
100	3286	2457	1962	1638	1311	1311	2738	2047	1635	1365	1093	2190	1638	1308	1092	874	1825	1365

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		18 - 46 - 0 fertiliser kg/hectare															RPM of the PTO drive shaft : 540 rpm	
		10 meters					12 meters					15 meters					Density of fertiliser :	
Work Width		18 meters					24 meters					30 meters					36 meters	
Positions		A 1-5					A 2-7					E 2-5					E 2-7	
Speed		6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h
Dosage Skale		6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
10	9	7	5	5	4	4	8	6	5	4	3	6	5	4	3	2	4	3
15	45	34	27	23	18	18	38	28	23	19	15	30	23	18	15	12	25	19
20	100	75	60	50	40	40	84	63	50	42	33	67	50	40	33	27	56	42
25	188	141	112	94	75	157	117	94	78	63	50	125	94	75	63	50	105	78
30	290	217	173	144	116	241	181	144	120	96	77	193	144	115	96	77	161	120
35	421	315	251	210	168	351	262	210	175	140	112	281	210	168	140	112	234	175
40	577	432	345	288	230	481	360	287	240	192	154	385	288	230	192	154	321	240
45	761	569	454	379	304	634	474	379	316	253	202	507	379	303	253	202	423	316
50	951	711	568	474	379	792	592	473	395	316	253	634	474	379	316	253	528	395
55	1187	888	709	592	474	989	740	591	493	395	316	792	592	473	395	316	660	493
60	1517	1134	906	756	605	1264	945	755	630	504	403	1011	756	604	504	403	843	630
65	1682	1258	1004	839	671	1402	1048	837	699	559	448	1121	839	670	559	448	935	699
70	1981	1481	1183	988	790	1651	1234	986	823	659	527	1321	988	789	658	527	1101	823
75	2257	1688	1348	1125	901	1881	1407	1123	938	751	601	1505	1125	899	750	601	1254	938
80	2505	1873	1496	1249	1000	2088	1561	1247	1041	833	666	1670	1249	997	833	666	1392	1041
85	2929	2190	1749	1460	1169	2441	1825	1458	1217	974	779	1953	1460	1166	973	779	1627	1217
90	3422	2559	2043	1706	1366	2852	2132	1703	1422	1138	910	2281	1706	1362	1137	910	1901	1422
95	3487	2607	2082	1738	1391	2906	2173	1735	1448	1159	928	2324	1738	1388	1159	928	1937	1448
100	3496	2614	2088	1743	1395	2913	2178	1740	1452	1163	930	2331	1743	1392	1162	930	1942	1452

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

RPM of the PTO drive shaft : 540 rpm														
Height of the spreader disc from ground : 85 cm														
15 - 15 - 15 fertiliser kg/hectare														
10 meters					12 meters					15 meters				
A 1-5					A 2-5					E 2-5				
18 meters					E 2-6					E 3-7				
Density of fertiliser :					24 meters					1,13 kg/dm ³				
Work Width					Positions									
Speed					Dosage Scale									
6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	0	1	1	1	0	0	1	0	0	0	0
10	7	6	5	4	8	6	5	4	3	6	5	4	3	2
15	43	32	26	22	17	36	27	21	18	29	22	17	14	11
20	90	67	54	45	36	75	56	45	37	60	45	36	30	25
25	164	123	98	82	65	137	102	82	68	109	82	65	55	44
30	269	202	161	134	108	225	168	134	112	180	134	107	90	72
35	407	304	243	203	162	339	254	203	169	271	203	162	135	108
40	537	402	321	268	214	448	335	267	223	358	268	214	179	143
45	705	527	421	351	281	587	439	351	293	470	351	281	234	188
50	943	705	563	470	376	786	588	469	392	629	470	375	313	251
55	1192	891	712	594	476	994	743	593	495	795	594	475	396	317
60	1559	1166	931	777	622	1299	971	776	648	1039	777	621	518	415
65	1731	1294	1033	863	691	1442	1078	861	719	1154	863	689	575	460
70	2216	1657	1323	1105	884	1847	1381	1103	921	1478	1105	882	737	590
75	2415	1806	1442	1204	964	2012	1505	1202	1003	1610	1204	961	802	642
80	2643	1976	1578	1318	1055	2203	1647	1315	1098	1762	1318	1052	878	703
85	2674	2000	1597	1333	1067	2229	1666	1331	1111	1783	1333	1065	889	711
90	2824	2112	1686	1408	1127	2353	1760	1405	1173	1883	1408	1124	939	751
95	2993	2238	1787	1492	1195	2495	1865	1490	1244	1996	1492	1192	995	796
100	3162	2364	1888	1576	1262	2635	1970	1573	1313	2108	1576	1259	1051	841

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		Ammonium Sulphate AS 21 %															kg/hectare					Density of fertiliser :					1,05 kg/dm3				
		10 meters					12 meters					15 meters					18 meters					24 meters									
		C 2-6					C 2-8					E 1-8					F 1-8														
Work Width																															
Positions																															
Speed		6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Dosage Skale		km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km / h	km / h	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	21	16	13	11	8	18	13	11	9	7	14	11	8	7	6	12	9	7	6	5	5	5	5	5	5	5	5	5	5	5	
15	73	55	44	36	29	61	45	36	30	24	49	36	29	24	19	41	30	24	20	16	16	16	16	16	16	16	16	16	16	16	
20	146	109	87	73	58	122	91	73	61	49	98	73	58	49	39	81	61	49	41	32	32	32	32	32	32	32	32	32	32	32	
25	281	210	168	140	112	234	175	140	117	93	187	140	112	93	75	156	117	93	78	62	62	62	62	62	62	62	62	62	62	62	
30	444	332	265	222	177	370	277	221	185	148	296	222	177	148	118	247	185	147	123	99	99	99	99	99	99	99	99	99	99	99	
35	612	458	366	305	244	510	382	305	254	204	408	305	244	204	163	340	254	203	170	136	136	136	136	136	136	136	136	136	136	136	
40	836	625	499	417	333	696	521	416	347	278	557	417	333	278	222	464	347	277	231	185	185	185	185	185	185	185	185	185	185	185	
45	1118	836	668	557	446	932	697	556	465	372	745	557	445	372	297	621	465	371	310	248	248	248	248	248	248	248	248	248	248	248	
50	1467	1097	876	731	585	1223	914	730	610	488	978	731	584	488	390	815	610	487	406	325	325	325	325	325	325	325	325	325	325	325	
55	1897	1419	1133	946	757	1581	1182	944	788	631	1265	946	755	631	505	1054	788	629	525	421	421	421	421	421	421	421	421	421	421	421	
60	2077	1553	1240	1035	829	1731	1294	1034	863	691	1385	1035	827	690	553	1154	863	689	575	460	460	460	460	460	460	460	460	460	460	460	
65	2297	1718	1372	1145	917	1914	1431	1143	954	764	1532	1145	915	763	611	1276	954	762	636	509	509	509	509	509	509	509	509	509	509	509	
70	2674	1999	1597	1333	1067	2228	1666	1331	1111	889	1783	1333	1064	889	711	1485	1111	887	741	593	593	593	593	593	593	593	593	593	593	593	
75	2933	2193	1751	1462	1170	2444	1828	1459	1218	975	1955	1462	1168	975	780	1629	1218	973	812	650	650	650	650	650	650	650	650	650	650	650	
80	3165	2367	1890	1578	1263	2638	1972	1575	1315	1053	2110	1578	1260	1052	842	1759	1315	1050	877	702	702	702	702	702	702	702	702	702	702	702	
85	3386	2532	2022	1688	1351	2821	2110	1685	1406	1126	2257	1688	1348	1125	901	1881	1406	1123	938	751	751	751	751	751	751	751	751	751	751	751	
90	3508	2623	2095	1749	1400	2923	2186	1745	1457	1166	2338	1749	1396	1166	933	1949	1457	1164	971	778	778	778	778	778	778	778	778	778	778	778	
95	3629	2713	2167	1809	1448	3024	2261	1806	1507	1207	2419	1809	1444	1206	965	2016	1507	1204	1005	804	804	804	804	804	804	804	804	804	804	804	
100	4024	3009	2403	2006	1606	3353	2508	2002	1672	1338	2683	2006	1602	1337	1071	2236	1672	1335	1114	892	892	892	892	892	892	892	892	892	892	892	

RPM of the PTO drive shaft : 540 rpm

Height of the spreader disc from ground : 85 cm

RPM of the PTO drive shaft : 540 rpm

Height of the spreader disc from ground ; 85 cm

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

Height of the spreader disc from ground ; 85 cm

RPM of the PTO drive shaft : 540 rpm

		Granulised Ammonium Sulphate AS 21 %														kg/hectare		Density of fertiliser :		1,10 kg/dm3	
Work Width		10 meters				12 meters				15 meters				18 meters				24 meters			
Positions		A 1-5				A 2-6				C 2-6				E 2-6				E 4-7			
Speed	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	6 km/h	8 km/h	10 km/h	12 km/h	15 km/h	
Dosage Scale																					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	1	1	1	1	0	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	
10	5	4	3	3	2	4	3	3	2	2	4	3	2	2	1	3	2	2	1	1	
15	47	35	28	24	19	39	30	24	20	16	32	24	19	16	13	26	20	16	13	11	
20	99	74	59	50	40	83	62	49	41	33	66	50	40	33	26	55	41	33	28	22	
25	182	136	109	91	73	152	113	91	76	60	121	91	72	60	48	101	76	60	50	40	
30	304	227	181	151	121	253	189	151	126	101	202	151	121	101	81	169	126	101	84	67	
35	447	334	267	223	178	373	279	222	186	149	298	223	178	149	119	248	186	148	124	99	
40	607	454	362	302	242	506	378	302	252	202	404	302	242	202	161	337	252	201	168	134	
45	800	598	478	399	319	667	499	398	332	266	534	399	319	266	213	445	332	265	222	177	
50	1065	796	636	531	425	887	664	530	442	354	710	531	424	354	283	592	442	353	295	236	
55	1313	982	784	655	524	1094	818	653	545	437	875	655	523	436	349	729	545	436	364	291	
60	1687	1261	1007	841	673	1405	1051	839	701	561	1124	841	671	560	449	937	701	559	467	374	
65	2060	1540	1230	1027	822	1717	1284	1025	856	685	1373	1027	820	685	548	1144	856	683	571	457	
70	2377	1778	1420	1185	949	1981	1481	1183	988	791	1585	1185	946	790	632	1321	988	789	658	527	
75	2720	2034	1624	1356	1085	2267	1695	1353	1130	905	1813	1356	1083	904	724	1511	1130	902	753	603	
80	2872	2148	1715	1432	1146	2393	1790	1429	1193	955	1915	1432	1143	954	764	1596	1193	953	795	637	
85	3137	2346	1873	1564	1252	2614	1955	1561	1303	1043	2091	1564	1249	1043	835	1743	1303	1041	869	695	
90	3318	2481	1981	1654	1324	2765	2068	1651	1378	1103	2212	1654	1321	1103	883	1843	1378	1101	919	736	
95	3559	2661	2125	1774	1420	2966	2217	1771	1478	1183	2372	1774	1417	1183	947	1977	1478	1181	986	789	
100	3574	2673	2134	1782	1426	2979	2227	1779	1485	1189	2383	1782	1423	1188	951	1986	1485	1186	990	792	

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

		Triple Superphosphate (TSP)												kg/hectare		18 meters				24 meters				Density of fertiliser :		0,96 kg/dm3	
		10 meters				12 meters				15 meters				18 meters				24 meters									
		A 1-5				A 2-7				C 2-8				E 2-7				E 3-8									
Work Width		6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	
Positions		km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km/h	km / h	km / h	km/h	km/h	km / h	km / h	km / h	
Speed																											
Dosage Skale																											
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	2	2	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1		
15	24	18	15	12	10	20	15	12	10	8	16	12	10	8	6	13	10	8	7	5	10	8	6	5	4		
20	50	37	30	25	20	42	31	25	21	17	33	25	20	17	13	28	21	17	14	11	21	16	12	10	8		
25	110	82	66	55	44	92	69	55	46	37	73	55	44	37	29	61	46	37	31	24	46	34	27	23	18		
30	206	154	123	103	82	172	129	103	86	69	137	103	82	69	55	115	86	68	57	46	86	64	51	43	34		
35	308	231	184	154	123	257	192	153	128	103	206	154	123	103	82	171	128	102	85	68	129	96	77	64	51		
40	487	364	291	243	194	406	303	242	202	162	325	243	194	162	130	270	202	162	135	108	203	152	121	101	81		
45	629	470	376	314	251	524	392	313	261	209	419	314	250	209	167	350	261	209	174	139	262	196	157	131	105		
50	775	580	463	386	309	646	483	386	322	258	517	386	309	258	206	431	322	257	215	172	323	242	193	161	129		
55	970	725	579	483	387	808	604	483	403	323	647	483	386	322	258	539	403	322	269	215	404	302	241	201	161		
60	1257	940	751	627	502	1048	783	625	522	418	838	627	500	418	334	698	522	417	348	279	524	392	313	261	209		
65	1519	1136	907	757	606	1266	947	756	631	505	1013	757	605	505	404	844	631	504	421	337	633	473	378	316	253		
70	1835	1372	1096	915	732	1529	1144	913	762	610	1224	915	731	610	488	1020	762	609	508	407	765	572	457	381	305		
75	2253	1685	1345	1123	899	1878	1404	1121	936	749	1502	1123	897	749	599	1252	936	747	624	499	939	702	561	468	375		
80	2460	1839	1469	1226	982	2050	1533	1224	1022	818	1640	1226	979	817	654	1367	1022	816	681	545	1025	766	612	511	409		
85	2819	2108	1684	1405	1125	2349	1757	1403	1171	938	1880	1405	1122	937	750	1566	1171	935	781	625	1175	878	701	586	469		
90	3024	2261	1806	1508	1207	2520	1884	1505	1256	1006	2016	1508	1204	1005	805	1680	1256	1003	838	670	1260	942	752	628	503		
95	3112	2327	1859	1552	1242	2594	1939	1549	1293	1035	2075	1552	1239	1034	828	1729	1293	1033	862	690	1297	970	774	646	517		
100	3217	2405	1921	1604	1284	2681	2005	1601	1336	1070	2145	1604	1281	1069	856	1787	1336	1067	891	713	1340	1002	800	668	535		

Height of the spreader disc from ground : 85 cm

RPM of the PTO drive shaft : 540 rpm

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

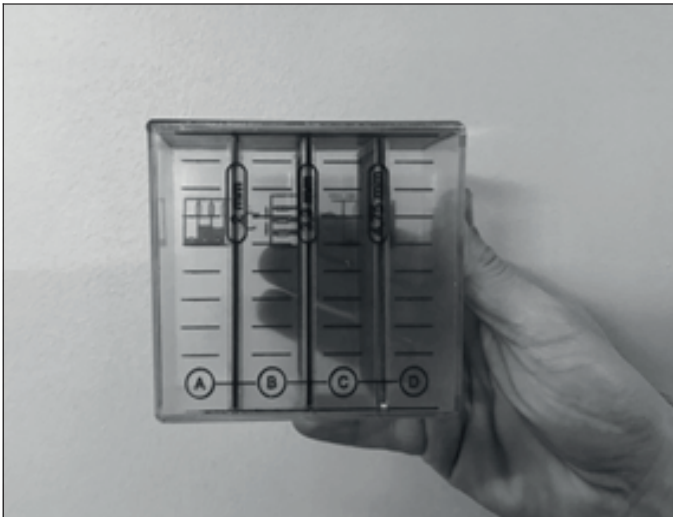
Granule Size Control Box

This is a transparent plastic box with 4 sections separated with 3 filters.

It will help you to check the granule size of the fertiliser you have. There are many different type of fertilisers available in the world and also there are new types being introduced to the market. Also even the name of the fertilisers can be the same the density and the average size of the granules may be different from time to time depending on the country or on the manufacturer. This box will help you to determine the category of the fertiliser you will spread and to make the best adjustments according to your needs.

The sections are marked with letters A, B, C and D.

There are also 3 filters which separate the sections one from other. The correct positioning of the filters should be done according to the size of square holes on them.



Size Control Box

Filter separating these two sections	Hole size on the filter should be
A-B	2 x 2 mm
B-C	3,3 x 3,3 mm
C-D	4,75 x 4,75 mm



WARNING:

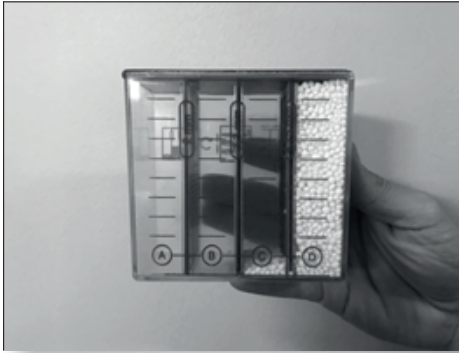
Make sure that the filters are placed according to the table above. Wrong placement will give you misleading results.

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

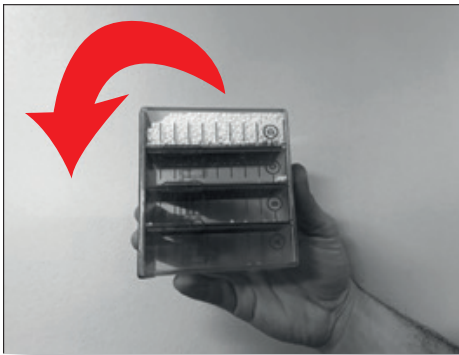
HOW TO USE IT!

Follow these steps in order to determine the most suitable adjustments when you use a new type of fertiliser that is not mentioned in the tables in this manual.

Step 1: Put the fertiliser into section D and close the cover on top.



Step 2: Turn the box as shown in the picture so that section D is on top.



Step 3: Shake the box to left and right for 30 seconds. The small sized fertilisers will start falling downwards until they can not pass through the next filter any more



Step 4: Turn the box to upright position at the end of 30 seconds. Each section is divided into 10. Note which section is how much full.

For example: Picture on left refers to a result like this:

A	B	C	D
0	5	6	0



7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

Step 5: Here below is the table which shows the results of the same process we did for the fertiliser types we tested. You can use your control to find the nearest type of fertiliser matching with yours and so you can start with the advised settings on the table for each working width. Our example illustrated in above pictures is close to Urea (big sized) in row 2.

Ofcourse it will be needed to also check the density of the fertiliser you will use with the result in the tables. It is not necessary to get the 100% matching in these figures. They are really very fine adjustments in case you are interested in making. The deviations between similar settings are not creating major deviations in terms of working width.

					Work Width (meters)				
Distribution in the control box				Type of Fertiliser	10	12	15	18	24
A	B	C	D		Advised set up for falling point and disc flaps				
0	9	1	0	UREA (normal)	A 2-6	C 2-6	F 2-6	F 2-7	-
0	5	5	0	Urea (big sized)	A 2-5	C 2-8	E 3-7	E 4-8	F 4-8
1	8	1	1	%26 CAN (small sized)	A 1-6	C 2-6	G 2-7	E 3-7	F 4-8
	4	6	1	%26 CAN (bigger sized)	A 1-6	C 1-6	G 2-6	E 3-7	D 4-8
7	3	0-1	0	Amonyum Sulfate (small sized)	C 2-6	D 2-8	F 1-8	-	-
6	2	1	0	Amonium Sulfate (medium sized)	C 2-6	C 2-8	E 1-8	F 1-8	-
0	3	7	1	Amonium Sulfate (bigger sized)	A 1-5	A 2-6	C 2-6	E 2-6	E 4-7
1	4	5	1	20-20-20	A 1-5	A 2-7	E 2-5	E 2-7	C 3-7
				15-15-15	A 1-5	A 2-5	E 2-5	E 2-7	F 3-7
0	4	6	1	18-46 DAP Di Amonium Phosphate	A 1-5	A 2-7	E 2-5	E 2-7	C 3-7
0	2	8	0	0-46-0 (TSP) Triple Superphosphate	A 1-5	A 2-7	C 2-8	E 2-7	E 3-8

7. ADJUSTMENT TABLES FOR SOME DIFFERENT TYPE OF FERTILIZERS

Where and how much the Greasing Nipples are?

Where the greasing nipples are?	Quantity per part	Quantity of that part	Total Amount
PTO drive SHAFT	3	1	3
Grand Total			3

Period Maintenance	By the end of every 8 hours or 15 hectare working	By the end of every 40 hours or 75 hectare working	By the end of every 160 hours or 300 hectare working	By the end of every 4 YEARS
Mixer Chain & Sprockets	C / G			R
Chain Tension Springs			C	C&R
PTO Shaft	C			
Hydraulic Cylinders			C	C&R
Housing of the mixer shaft			C	R
Disc Flaps		C		C&R
Plastic Wheels		C&R		R
Rubber Wedges			C	R
Oils in T & L Gearboxes	C		C&R	R
Lock Pins	C			R
Tent Mechanism			C / G	R
Tent Cover			C	
Linkage Pins		C		R
Dosage Direction Part			C	C&R

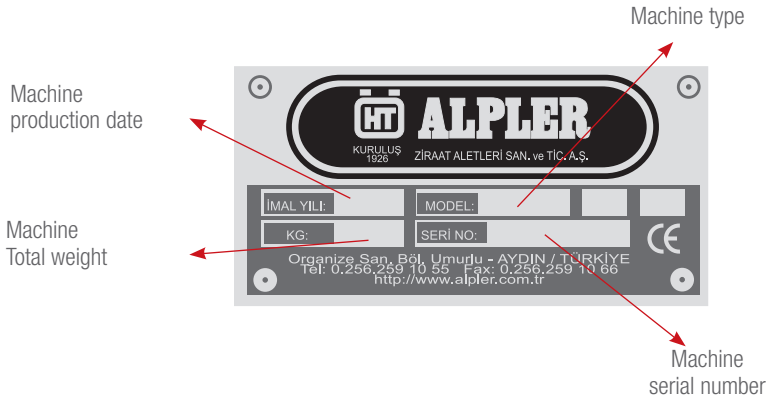
C: (Control) Control with your hands & eyes. Clean the part. Fasten if the fasteners seems to be loose. If necessary put grease. If necessary replace with the new one.

G: (Grease) Grease these parts with suitable greasing material or put gearbox oil according to the part.

C&R: (Control&Replace) Control the part or the mechanism. Replace the damaged or deformed parts. Supply and assemble the parts if any missing.

R: (Replace) Replace the part with the new one without considering whether it looks in good condition or not.

8. WARRANTY



Use original spare parts in ALPLER branded products. The customer will be responsible for the problems that occur due to not using original spare parts. The Fertilizer Spreader will not covered by the warranty when non-original parts are installed on the machine, additional equipment is attached on the machine or it is used after removing standard parts.

While ordering spare parts, for the codes beginning with '0', machine serial number together with the part code should be provided. For other codes, it is not necessary to provide the Fertilizer Spreader serial number.

Label information are important for identifying the machine and for spare part orders. As a measure against the illegibility of the label due to deformation or its loss, label information on the machine should be written literally in the corresponding fields of the following label picture, and it should be retained.

Our Fertilizer Spreaders are **warranted for 2 years** for faults that may occur due to material, workmanship and mounting errors.

Faults resulting from improper use are not covered by the warranty. The average lifetime is 10 years.

8. WARRANTY

WARRANTY CERTIFICATE

Warranted by ALPLER for a period of two years

BRAND: ALPLER
PRODUCT TYPE:
MODEL:
SERIAL NUMBER:
DATE OF PRODUCTION:

Seller's

Title:.....
Address:.....
Phone:.....
Fax:.....
Invoice Date:.....

Signature & Seal



Exports to 75 countries
on 5 continents.

HT ALPLER

ALPLER AGRICULTURAL MACHINERY

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