
# LINA MECHANICAL SEEDER

## MANUAL OF MAINTENANCE AND USAGE

AGROLEAD

# MANIFEST

One of the World's most spectacular brand AGROLEAD was founded at Konya in 1996 and continues its activities by exporting agricultural machines all around the World, since 2007. As one of the biggest agricultural machinery manufacturer in Turkey. our company runs with 73 employees in its body with two factories and have justified pride of manufacturing and delivering, durable, qualified and eco-friendly products both to domestic and foreign markets in time. Being economic, confidental and supporting unproblematic before / after-sale service to our customer are some core principles of our main philosophy that we adopt ourselves.

At the same time, responding your inquiries without loosing time, supplying before and after sales of all the documents related to our products, professional packaging capabilities before shipment and no delays on delivery of the goods and supplying other necessary steps professionally by our expert colleagues are the main features that distinguish our company from others.

Having an advantage of experienced and skillfull foreman team and combining our abilities with innovations in the field of agricultural technology, our R & D department aim to reach ultra modern manufacturer success.

Today, AGROLEAD products are exported more than 82 countries among globe. We will be honoured to cooperate & involve you to our day by day growing family.as well as training your stuff about our products. We owe our dealers and their customers a debt of gratitude in order to being preferred by them.

We lead, they follow !


LINATWIN31
AGL

This operation and maintenance guide is prepared for providing full advantage of your machinery and operate correctly and full effectively. We recommend you to read this guide before operating machinery, follow operation and safety rules and perform indicated issues in order not to damage operator, environment and machinery and call our factory or the nearest technical service in case of a Consultancy and Technical Service requirement.

Perform full control when accepting your machinery. If any missing points in transportation or delivery, please inform our factory through +90 332 503 27 77 or info@agrolead.com.tr Our factory cannot be directly responsible for failures arising from misuse and incorrect repairs.

We used this symbol in this guide where related with your safety. If anyone else will use the machinery, please inform that person about the safety rules.

Locations of parts are described with ”right”, ”left”, ”front”, ”behind” terms and machinery is viewed from behind. Provided that below written rules and warnings are exactly followed, the machinery can be used without any problems, accidents and for a long time. In case of any problems with the machinery, we recommend you to read this guide once more.

## 1.1 DEFINITION

Mechanical Seeder is a modern seeder that can sew all cereal seeds in a sensitive way.

Besides seeds of wheat, barley, oats, rye, lentil; large and medium sized such as corn, soybeans, peas, chickpeas and; small seeds such as canola (colza), clover, broom onions, carrots, tomatoes, spinach can be sowed in the most sensitive way.

Mechanical Seeder is connected to tractor via three points hanging system and perform sowing, and it is a hydraulic hung seeder. For this reason, it can be easily transported to the land to be sowed and helps acquiring more lands in such regions since it is easy to go near to land border lines.

Optionally, we produce both pull type and hanging type machines for single-disc and double-disc models. Drawbar arrangement is optional.

## 1.2 WARRANTY

Please control whether any missing hardware or transportation damages available on the machinery when you accept the machinery and confirm this issue to the person performing transportation. Complaints should be notified to +90 332 503 27 77 or info@agrolead.com.tr within 7 days. All complaints regarding warranty are accepted if they are completely in accordance with customer warranty conditions. Machinery is under warranty for 2 year beginning from delivery date against all kinds of manufacturing and material failures. Damages occurred during transportation are not included in the warranty (machinery is loaded and shipped at risk of customer). Also, damages to person and environment as the result of misuse are out of warranty scope. Warranty is limited only repair or replacement of faulty part within rules determined by the manufacturer. Dealers or users cannot demand any rights from the manufacturer due to faulty usage or accidents caused. If any modifications are performed on the machinery or different parts are assembled to the machinery without approval of the manufacturer, warranty shall be void. Also, if technical benchmarks are exceeded, machinery is misused and periodical maintenances are interrupted, warranty will be void again.

AGROLEAD; spends efforts in order to develop machineries continuously and thus, it has the right to make required modifications on machineries. For this reason, we don’t have the obligation to adapt a modification made in new models to previously sold machineries. Technical data and drawings given in this operation guide are only valid for the machinery you purchased. For your spare part requests, please indicate machinery model and manufacturing year.

AGROLEAD Makina Limited Sirketi reserves the right to make changes and innovations in the information, descriptions and visual changes of the products without notice.

## 1.3 CORRECT USAGE

Mechanical Seeder is basically designed for agricultural usage. In case of different uses, all responsibility shall belong to user. Manufacturer is not responsible for damages that may occur for such different uses. Correct usage means following operation, maintenance and service conditions defined by the manufacturer. We recommend that, persons knowing machinery, familiar with operating rules and having knowledge in possible damages and losses should use the machinery and perform maintenance.

We recommend you to review general rules for preventing accidents and also general traffic rules, general safety rules and have knowledge. All amendments performed on the machinery without permission of the manufacturer and all damages and losses arising from these amendments are not under responsibility of the manufacturer.

## 1.4 SUSPENSION AND LIFTING

If the machinery will be suspended, this operation should be performed with a crane or workshop hoist having adequate capacity by placing hooks to suitable hook holes. This operation is potentially dangerous and should be performed by experienced and trained persons.
Hook points are indicated with "hook" symbol on the machinery.

## 1.5 SAFETY RULES AND GENERAL RULES ON PREVENTING ACCIDENTS

1. Before starting operation, please control machinery and tractor for operation and traffic safety.

2. Please have knowledge on existing rules regarding general health, safety and accident prevention except issues indicated in this operation guide.

3. Warning and information signs placed on the machinery contain important information for a safe operation. Please know meanings of these signs.

4. Please follow traffic rules in roads open for traffic.

5. Before starting operation, please learn machinery parts, moving sections and functioning style.

6. In order to prevent a possible fire risk, please clean the machinery and don't wear loose clothes (risk of entanglement to rotating parts!).

7. Before operating the machinery control its vicinity (if there are children, animal, etc., keep them out).

8. People should not be on the machinery during operation and transportation.

9. Please connect the machinery to tractor with correct tools.

10. Please note that always a risk of damage and jamming is available during connecting the machinery to the tractor via three points hanging system.

11. When required, control the machinery for light and warning tools and place required ones to the machinery.

12. Please control that light, warning tools and covers are on their place and correctly functioning.

13. If hand brake is not used and no wedges are placed to the tractor, never let anyone to be between tractor and machinery.

14. Do not exceed allowed axle loads, weight and transportation measurements.

15. Never leave the tractor in operation during transportation.

16. When the machinery is connected to tractor, do not allow persons without license, children and unhealthy persons to use the tractor.

17. When connecting the machine to the tractor, connect the appropriate weights in front of the tractor.

18. When machinery and weights are connected to tractor, steering and braking capacity of tractor are affected negatively. Since driving safety will be reduced, please drive the tractor with more attention and slowly.

19. Be careful when turning; tractor's width and centrifugal force can be out of control.

20. No one should be within turning and skidding area of the machinery.

21. Please pay attention to not having anyone in the operation area.

22. When hydraulic markers are operating, please pay attention that no one is available near the machinery.

23. Do not place your hand in seed and tank when machinery is moving.

24. Never put your hands or any other parts in gearbox outlet shafts when machinery is in operation.

25. Lift marker arms during transportation and fix them with a pin.

26. Please close tractor rear arms hydraulic valve before connecting the machinery to tractor according to three points hanging system.

27. Please pay attention that three point connection safety pins are placed during transportation of the machinery.

28. During transportation, lock tractor hydraulic mechanism when machinery is on hold.

29. Before leaving the tractor, lower the machinery, stop the engine and take the key from its place.

## 1.6 CONNECTING TO TRACTOR

• Before connecting equipments to tractor with 3-point hanging system or removing, place the hydraulic arm to suitable place. Hydraulic arms may accidentally move up and down. You can see operating manual given together with your tractor.

• Tractor and equipment connection categories must be the same for 3-point hanging; if different, they should be connected by placing an adapter part between.

• During connection with 3-point hanging system, there is a risk of jamming and smashing.

• Never stand between tractor and machinery while performing arm settings of 3-point hanging system.

• When the machinery is on hold or moving on the road, please lock the system controlling hydraulic holding arms.

## 1.7 1.7 HYDRAULIC UNIT

• High pressure is available in the hydraulic unit.

• Pay attention to leakages at hydraulic hoses while connecting hydraulic cylinders and engines.

• When connecting hydraulic hoses to tractor hydraulic system, ensure that system is not under pressure for both sides. If connections are made reversely, do not forget that functions will be reverse. Risk of accident!

• Frequently control hydraulic hoses, and change if any wear or tear are available. Please use hoses having qualifications suggested by the manufacturer.

• Since there is a risk of injury, please use protective equipment while controlling hydraulic system leakages (mask, glasses, protective cloth, etc.).

• High pressurized liquids (hydraulic oil) penetrate into skin and cause serious injuries. Please consult to a doctor in case of such situation.

• If you perform an operation on hydraulic unit, please place the machinery to ground. Discharge the oil in the unit, reduce pressure and stop the tractor.

## 1.8 WHEELS

Special knowledge and assemblage tools are required for assembling wheels. For this reason, wheel repairs should be performed by professionals. Periodically control tire pressures and pump air if required.

## 1.9 MAINTENANCE AND SAFETY

• Before starting maintenance, repair and cleaning, make sure that the tractor is nut running and tail shaft is not rotating.

• Remove the ignition key. Someone may accidentally start the tractor.

• Regularly check the tightness of nuts and screws and tighten loose ones.

• If maintenance of the machine is performed in raised position, put suitable supports under the machine.

• Do not approach any rotating or moving any part, do not hold by hand.

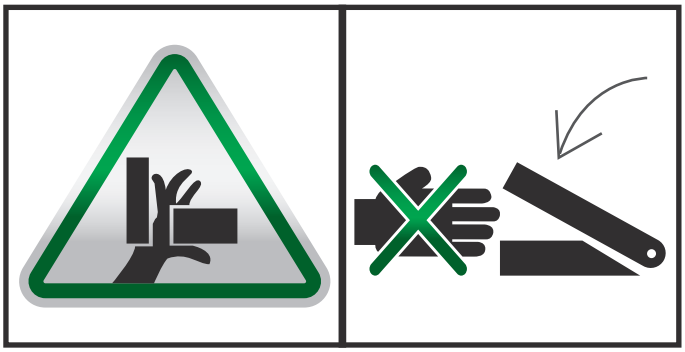
• Always use suitable gloves and tools when replacing parts with sharp surfaces and edges.

• Perform oiling and greasing according to the rules.

• Always disconnect the battery if electric welding is performed on the tractor or connected machine.

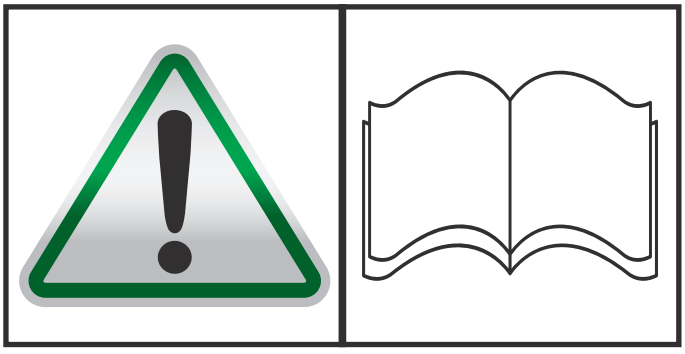
• Use the manufacturer's recommended spare parts.

## 1.10 EMNİYET İŞARETLERİ

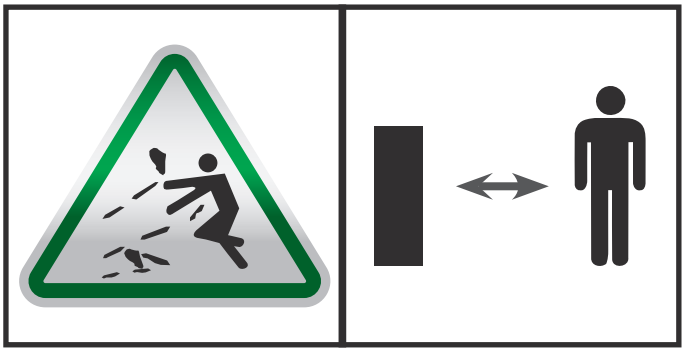


• Danger of arms being drawn in or caught by moving parts involved in the operating process
• This hazard may cause severe injuries and loss of body parts.
• Never open or remove protective equipment while tractor engine is running with drive shaft / hydraulic / electronic system connected.

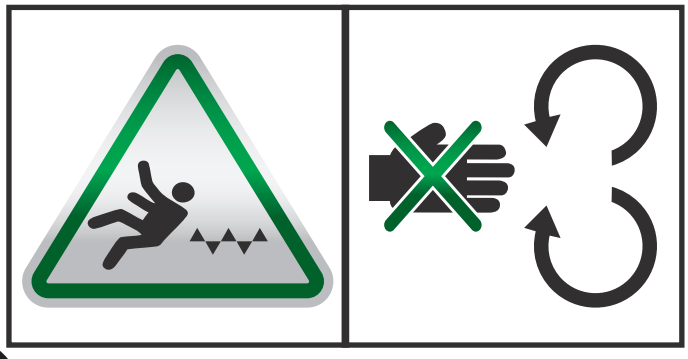

• Danger of crushing of fingers and hand by accessible, moving parts of the implement!
• This hazard may cause severe injuries and loss of body parts.
• Never reach into the danger area while tractor engine is running with drive shaft / hydraulic / electronic system connected.



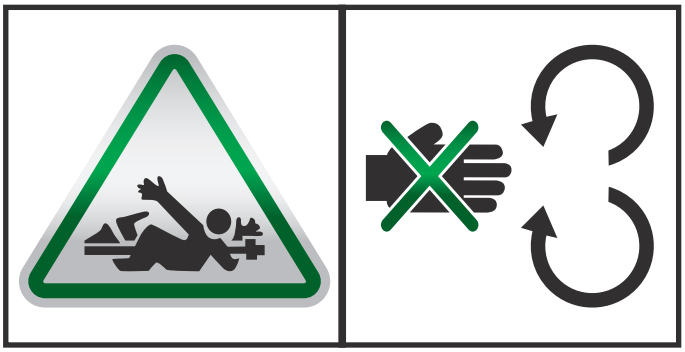
•Danger of crushing under the machine and parts
•Please read operating guide before operating machinery!



• Danger of falling and injury in case of standing on moving machinery!

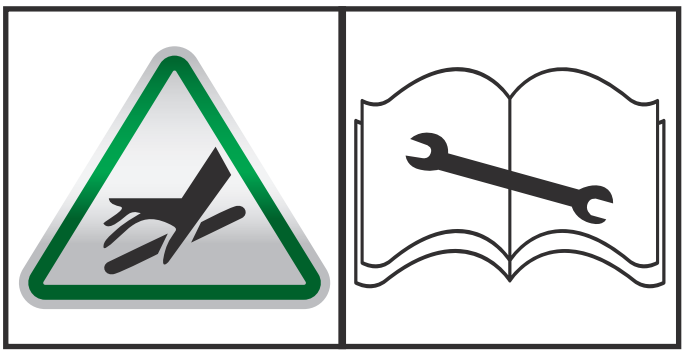


• Danger of arms or body being drawn in and/or caught by moving parts involved in the operating process.

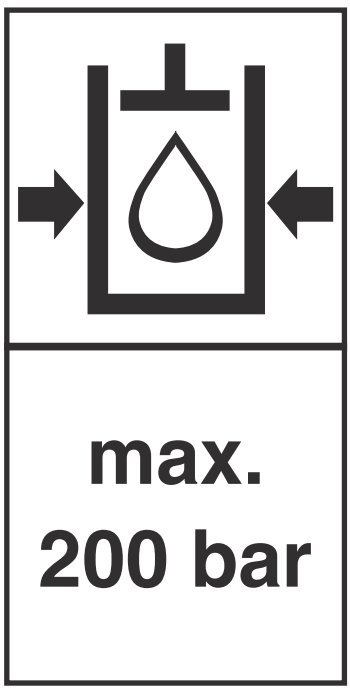


• Danger caused by materials thrown by the machine or thrown out of the machine or entanglement with foreign bodies.

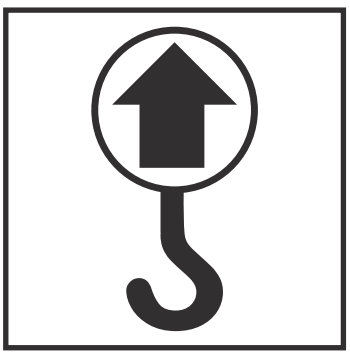
• Risk of crushing the entire body when standing in the stroke area of the 3-point hanging when the 3-point hydraulic system is being operated!
• This may cause serious, potentially fatal injuries.
• It is forbidden to stand in the stroke area of the 3-point hanging when actuating the 3-point hydraulic system. Do not run if you stand in the stroke area between machine and tractor.



• Danger from escaping high-pressure hydraulic fluid due to leaking hydraulic hose lines!
• This danger may cause serious injuries, perhaps even resulting in death, if escaping high-pressure hydraulic fluid passes through the skin and into the body.
• Never attempt to plug leaks in hydraulic hose lines using your hand or fingers.
• Read and consider instructions in the operating manual before carrying out any maintenance or repair work on the hydraulic hose lines.
• If you are injured by hydraulic fluid, contact a doctor immediately.




•The maximum operating pressure of the hydraulic system is 200 bar.



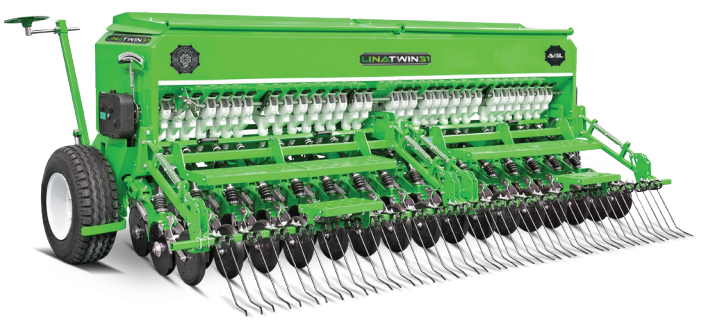
•This pictogram shows the location at which connection materials are secured while lifting the machine.

Coulter shared tines are made of cast and are sealed with plate fins on both sides. Fertilizer and seed pass the hose between flaps and lays on the soil. Because resultant force forces the tine to come out of the soil due to wide penetration angle, sowing depth can be increased with additional loads. This feature shows superiority over other types of tines. Good seed bed is prepared. Disc and harrow-type tines when faced with obstacles such as stone clod, tries to get up, but the coulter is mounted to the chassis, tine movement does not come up. Should be replaced when coulter is worn.

Harrow type tines are manufactured from 22 mm special raw material and seeding angle is created by providing a form. Harrow type tines are placed as 3 rows on the machinery similarly to coulter machineries. In this way, it prevents to hold stubble pieces on surface of the field. Harrow type tine is swift in terms of the use of tines and shows compatibility in most soil conditions. Because it opens wide seed bed, a uniform sowing is achieved.

Single disc sowing tines should be used where there is a lot of stubble in the field. It is less affected by the form of tillage and moisture condition. It can't sow deep with disc tine type. Usage area in sowing small seeds is limited. However, it is more difficult to obtain equal sowing depths with these tines when compared to the harrow and coulter tine. The reason for this is as follows; when discs encounter an obstacle and jump over it, the spring coulter tines push the obstacle sideways. Therefore, it may be appropriate to use single disc feet on lumpy, heavy and rocky soils. However, sowing depth will not be equal.

Twin disc tines consist of two flat discs having a certain angle between them. The joint point of disks is located at front side and a little over the groove bottom. Seed hopper was placed in the space between discs expanding rearward. Even if these are disc tines, they open grooves pushing the soil to the aside same as coulter tines. However, groove size is wider. Most of the seeds are sowed in the same depth and covered with moist soil pushed aside. Height of this ridge increases as the groove expands and becomes as if it is sowed in a row. Twin disc tines can be used in all kinds of climate and soil conditions due to these properties.



*Pulled type machine is produced as single disc and twin disc.

## LINA COULTER

**COULTER SHARED MECHANICAL SEEDER**

## LINA HARROW

**HARROW TINE MECHANICAL SEEDER**

## LINA SINGLE

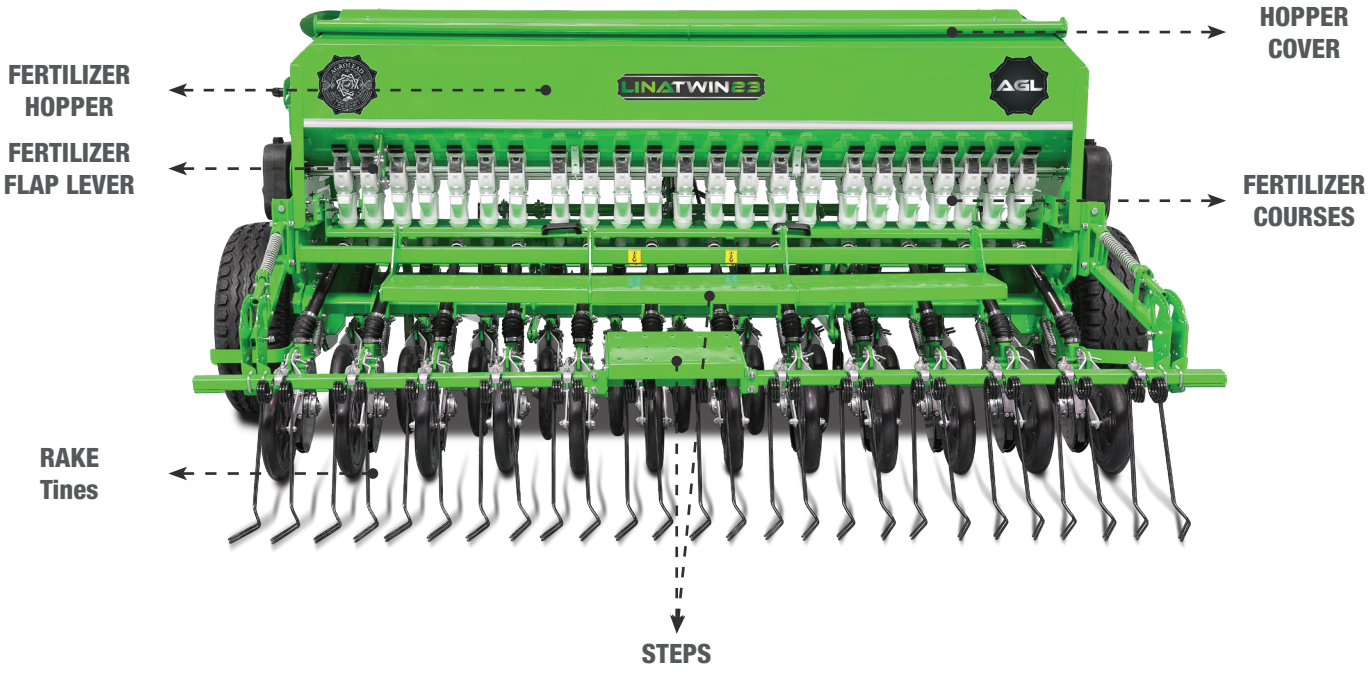
**SINGLE DISC MECHANICAL SEEDER**

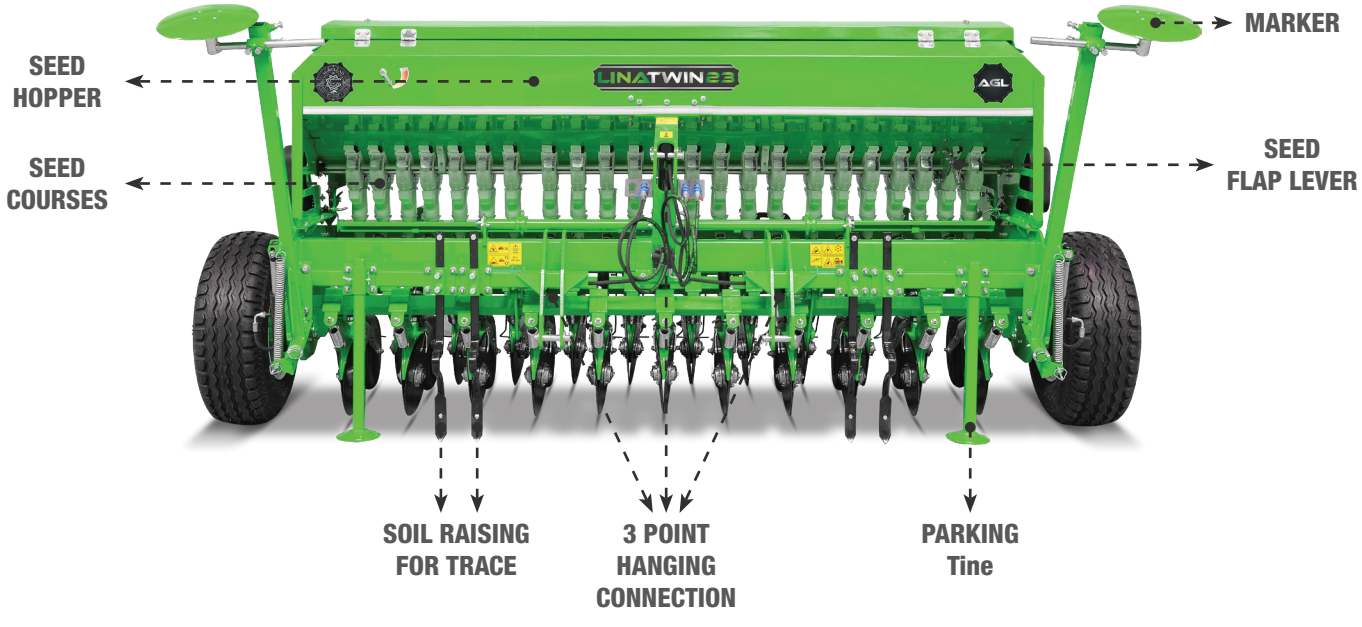
## LINA TWIN

**TWIN DISC MECHANICAL SEEDER**

## LINA SINGLE & TWIN

**TRAILED TYPE**


FERTILIZER HOPPER
FERTILIZER FLAP LEVER
RAKE Tines
HOPPER COVER
FERTILIZER COURSES
STEPS
LINATWIN23
AGL


SEED HOPPER
SEED COURSES
MARKER
SEED FLAP LEVER
SOIL RAISING FOR TRACE
3 POINT HANGING CONNECTION
PARKING Tine
LINATWIN23
AGL


SEED
SETTING SCALE
SEED GEARBOX
LEVER
APARATUS
HOLE
(FOR SEED SETTING)
PRESSURE WHEEL
SEEDING Tine


FERTILIZER
SETTING SCALE
FERTILIZER
GEARBOX
LEVER
APARATUS
HOLE
(FOR FERTILIZER SETTING)

## 3.1 GENERAL MACHINE CONTROL

Make sure that all apparatus on your machine is correctly installed in order to prepare the machine for sowing. If there are parts on your machine that need to be disassembled during transportation, ensure that they are properly installed before you start sowing. You can do this in accordance with the following directions.

## 3.2 CONNECTING THE HARROW (PART IS OPTIONAL)

When adjusting the harrow, you can adjust the pressure in a way not to remove the seed from the soil. It is not recommended to use the harrow for small seeds.

Do not reverse when harrow is in the sowing position.

## 3.3 CONNECT PRESSURE WHEELS (PART IS OPTIONAL)

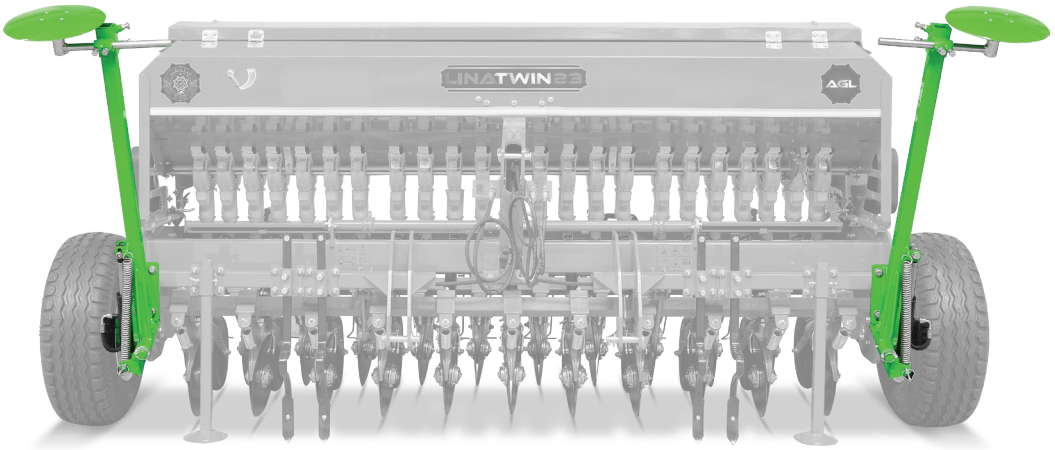
Pressure wheel adjustment is made by means of holes in the connection point. After adjusting the depth of the seed to be sowed, adjust the pressure wheel.

**Note:** If you believe that there is a missing or incorrect part in your machine, please contact +90 332 503 27 77 or info@agrolead.com.tr

## 3.4 MARKER (PART IS OPTIONAL)

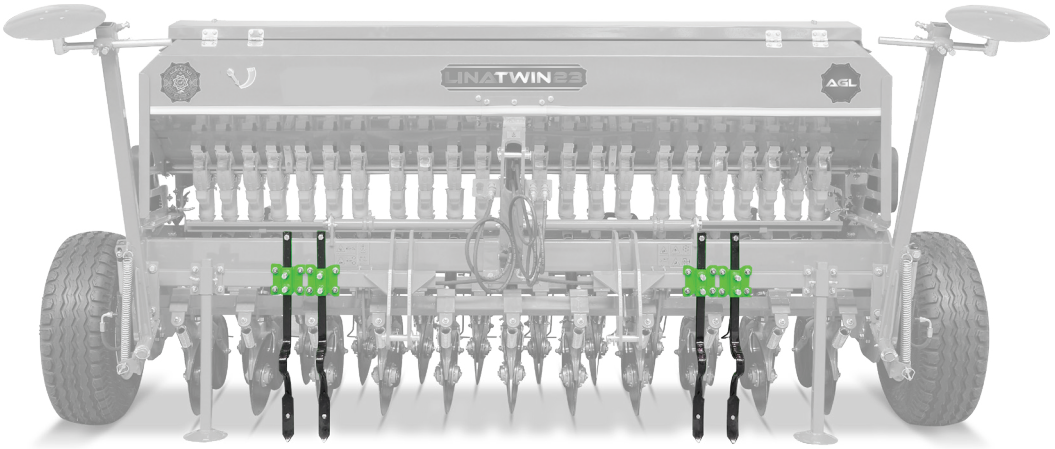
Its setting will be explained in sowing settings. Page 29

Lock the markers in the road position.




## 3.5 SOIL RAISING FOR TRACE (PART IS OPTIONAL)

If your seeder is pulled and if it has soil raising tines, do bot use in pulled position. While adjusting the tines, adjust to process 3-4 cm.

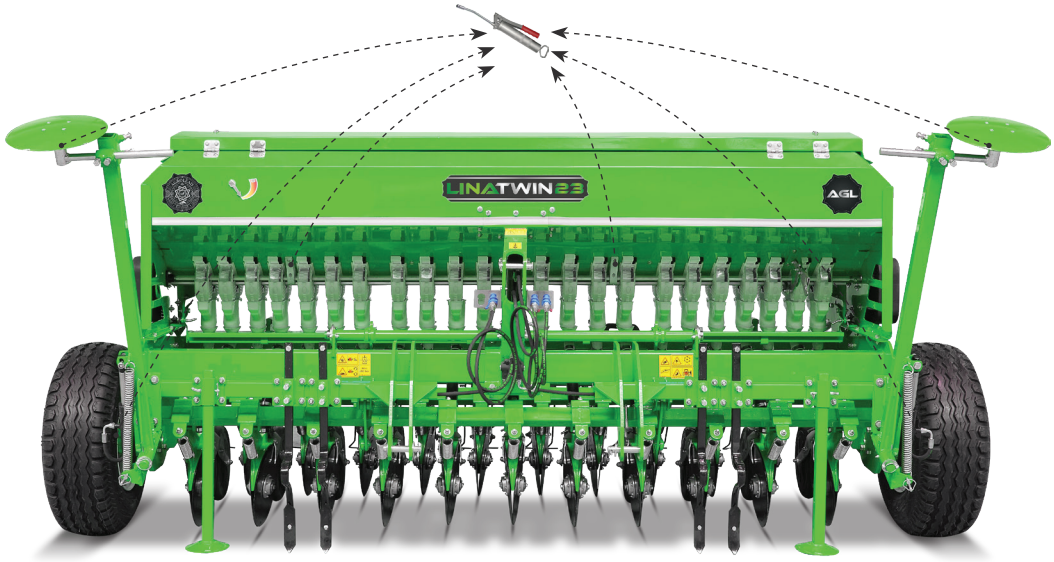


## 3.6 GREASING THE MACHINE

There is ex-factory oil in transmission. Pull the machine on a flat surface and check the oil condition of the transmission from the control chamber. Fill if it is incomplete.

**NOTE:** Transmission oil is number 140 gear oil.


The machine you have purchased has grease nipples. These are on marker discs, wheel hubs and shaft moved by transmission. We recommend you to grease every day.



**NOTE** If your machine is a single disc or twin disc, you don't need to grease the discs due to the system used.

**NOTE** If you believe that there is a missing or incorrect part in your machine, please contact **+90 332 503 27 77** or **info@agrolead.com.tr**

## 3.7 TIRE PRESSURE

The appropriate air pressure for the tire used in your machine is as follows. Adjust the air of the tires according to the table below.

| Tire Size | Tire Pressure |
|---|---|
| 500-12 | 30 Psi |
| 600-16 | 46 Psi |
| 750-18 | 50 Psi |
| 10.0/75-13 | 65 Psi |
| 11.5/80-13 | 55 Psi |

## 3.8 TRACE LEAVING SYSTEM (PART IS OPTIONAL)

Working principle of a trace leaving system working with mechanism as optional in fertilizer-free seeder is as written below.

Assume that we use machinery with 3 meters of sowing width. As it can be seen from the diagram below, two each courses corresponding to one tractor sign per every 4 rounds are cancelled and prevented from throwing seed. Thus, two each empty lines with 37,5 cm width are acquired per every 12 meters. Then, these lines are followed during fertilization and disinfection and correct fertilization and disinfection can be possible. This system is optional in our machines.

* For machines with a distance between rows 12.5 cm, 2 crops are closed at the places corresponding to the track of the tractor wheel and 37.5 cm space is left. According to customer request can be closed 3 crops.

** For machines with a distance between rows 13 cm, 2 crops are closed at the places corresponding to the track of the tractor wheel and 39 cm space is left. According to customer request can be closed 3 crops.

### 3.8.1 HYDRAULIC TRACE LEAVING

User counts the number of rows, when he wants to leave trace, he can leave trace due to hydraulic piston.

### 3.8.2 ELECTRIC TRACE LEAVING

User counts the number of rows, pushes the button on the console at the end of each row with the console in the tractor. When it comes to row that he adjusted, machine leaves automatic trace due to the electrical system.

### 3.8.3 ELECTRONIC TRACE LEAVING

It counts row numbers automatically due to console markers in the tractor. Machine leaves automatic trace due to the electronic system when it comes to the row adjusted by the user.

## 4.1 SEED SLIDING AND FLAP SETTINGS

Slide settings and the flap position are described in detailed in section x so that the seeds and fertilizers can be thrown as desired. Following table shows big sliding cover, small sliding cover and flap positions according to the seed type.

**NOTE** Sliding positions given are adjusted by pulling up while slides are closed. Each notch represents a step.

| SEED KIND | FLAP POSITION | BIG SLIDING COVER | SMALL SLIDING COVER |
|---|---|---|---|
| Wheat | 1 | 2 | 0 |
| Barley | 1 | 2 | 0 |
| Oat | 1 | 2 | 0 |
| Canola | 0 | 0 | 3 |
| Clover | 0 | 0 | 3 |
| Chickpea | 4 | 3 | 0 |
| Lentil | 1 | 2 | 0 |

**TABLE-1**

## 4.2 FERTILIZER SLIDING AND FLAP SETTINGS

Slide settings and the flap position are described in detailed in section x so that the seeds and fertilizers can be thrown as desired. Following table shows big sliding cover, small sliding cover and flap positions according to the seed type.

**NOTE** Sliding positions given are adjusted by pulling up while slides are closed. Each notch represents a step.

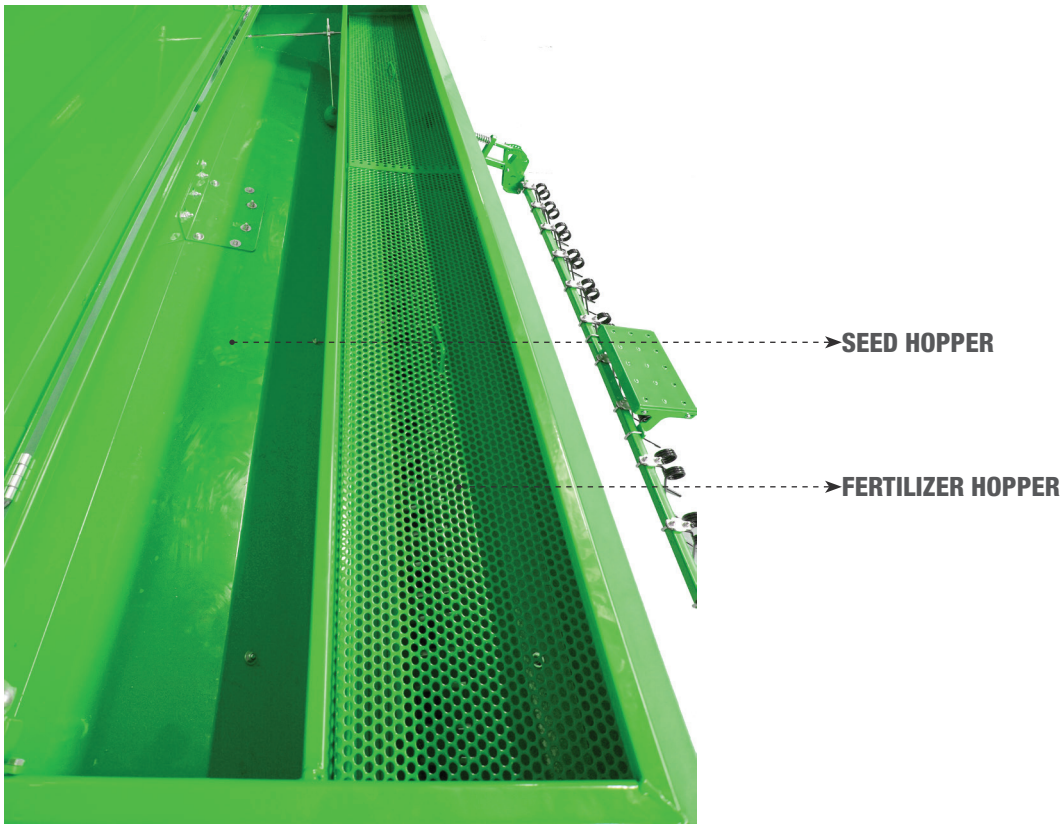
| FERTILIZER KIND | FLAP POSITION | SLIDING COVER |
|---|---|---|
| DAP (18-46) | 1 | 2 |
| 20.20.0 | 1 | 2 |
| 15.15.15 | 1 | 2 |

**TABLE-2**

## 4.3 FILLING TANKS

Hopper of machines with fertilizer is divided into two parts by a partition: front part is seed tank, rear part is fertilizer tank. A sieve is placed on the upper part of the fertilizer tank so that the coarse lumps are not allowed into the tank.

Before tanks are filled, seed and fertilizer flap settings and sliding settings must be done. Fill the tanks when the machine is connected to the tractor or the soil preparation tool to be used. A foreign substance shouldn't enter the tank during filling. Otherwise, it may damage the seed gears and fertilizer gears.



## 4.4 MIXER SHAFT

Mixer shaft is added in order to provide easy flow of some seeds into machine seed tank. With this part, accumulation of seeds such as chickpeas, peas, beans are prevented at seed tank outlet.

**NOTE** This feature is optional in our machineries.

## 4.5 BIG SLIDING COVERS

Sliding covers can be adjusted in 3 levels. Thus, amount of seed flowing to seed course from tank and its speed can be adjusted.

0 is the ”closed” position and no seed flow in course.
“1”numbered position (Small seeds).
“2”numbered position (Many cereals and middle sized seeds).
“3”numbered position (used for large seeds)

Never leave the sliding cover at an interim position. Since spring effect of hacks on the cover will be eliminated, imbalance may occur in seed amount thrown between courses.

## 4.6 SMALL SLIDING COVERS

Sliding covers can be adjusted in 3 levels. Thus, amount of seed flowing to seed course from tank and its speed can be adjusted.

0 is the ”closed” position and no seed flow in course.
“2-3-4”numbered positions (Small seeds).

Never leave the sliding cover at an interim position. Since spring effect of hacks on the cover will be eliminated, imbalance may occur in seed amount thrown between courses.

## 4.7 FERTILIZER CHAMBER SLIDING COVERS

Sliding covers can be adjusted in 3 levels. Thus, amount of seed flowing to seed course from tank and its speed can be adjusted.

0 is the ”closed” position and no fertilizer flow in course.
“1”numbered position (Small fertilizers).
“2”numbered position (Middle sized fertilizers).
“3”numbered position (used for large fertilizers)

Never leave the sliding cover at an interim position. Since spring effect of hacks on the cover will be eliminated, imbalance may occur in fertilizer amount thrown between courses.

## 4.8 FLAPS

In the course of a regular planting, planters and adjustable spring-loaded valves located under the gear. Diverter valves by means of the adjustment lever can be adjusted to 14 different positions. As long as seed size increases, number on the flap must increase. As long as seed size decreases, number on the flap must decrease. For example, flap position for canola is at 0 (zero), if the chickpea will be sowed, the flap position should be brought to 2 (two).

**NOTE** After finishing sowing, you can pull the flap to the lowest position to empty fertilizer and seed inside the machine. In this way, seed and fertilizer inside will be emptied.

**!** If flap setting is not correct, serious deviations may occur in amount of seeds to be thrown. If flaps are opened excessively, thrown seed amount will be imbalanced. If flaps are closed much, seed may be damaged.

## 4.9 SETTING SEED AMOUNT

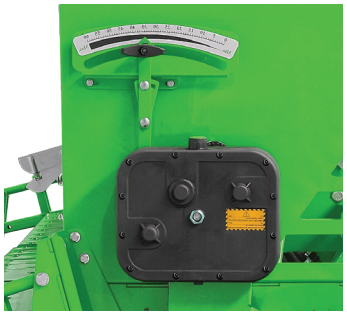
Amount of seeds to be thrown is adjusted through the transmission.

For a successful and adjusted sowing, the following adjustments should be made before sowing:
- Transmission setting
- Big sliding cover setting
- Small sliding cover setting
- Flap setting

**NOT** Transmission setting can be done non-gradually by means of the indicator chart lever after loosening the fixing handle. The higher the scale arm is adjusted, the higher the amount of seed to be thrown. Numbers on the scale are reference and they never show the amount to be thrown for any seed in kg.

**!** Amounts of seeds to be thrown are shown in table x. The figures shown in the table are approximate values. The amount may vary depending on whether the product is big or small. For full setting, please refer to the calculation of the amount to be thrown to a decare.

## 4.10 SETTING FERTILIZER AMOUNT



Amount of fertilizer to be thrown is adjusted through the transmission.

For a successful and adjusted sowing,the following adjustments should be made before sowing:
- Transmission setting
- Big sliding cover setting
- Small sliding cover setting
- Flap setting

**NOT** Transmission setting can be done non-gradually by means of the indicator chart lever after loosening the fixing handle. The higher the scale arm is adjusted, the higher the amount of fertilizer to be thrown. Numbers on the scale are reference and they never show the amount to be thrown for any fertilizer in kg.

**!** Amounts of fertilizers to be thrown are shown in table x. The figures shown in the table are approximate values. For full setting, please refer to the calculation of the amount to be thrown to a decare.

Table showing how many cycles the wheel should be turned for seed or fertilizer to be thrown on 100 m²

| Machine Type | | Coulter Tine | | | | | | Single Disc & Twin disc | | | | | | Harrow Tine | | | | Chickpea | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Machine Tine Number (pieces) | | 18 | 20 | 22 | 24 | 28 | 32 | 19 | 23 | 27 | 31 | 39 | 47 | 21 | 25 | 29 | 33 | 13 | 17 | 21 | 25 |
| Machine work width (cm) | | 225 | 250 | 275 | 300 | 350 | 400 | 250 | 300 | 350 | 400 | 500 | 600 | 250 | 300 | 350 | 400 | 250 | 300 | 350 | 400 |
| Tire Size | 500 x 12 Tire cycles to be turned (Wheel circumference is 176 cm) | 25,3 | 22,7 | 20,7 | 18,9 | 16,2 | 14,2 | 22,7 | 18,9 | 16,2 | 14,2 | 11,4 | 9,5 | 22,7 | 18,9 | 16,2 | 14,2 | 22,7 | 18,9 | 16,2 | 14,2 |
| | 500 x 15 Tire cycles to be turned (Wheel circumference is 204 cm) | 21,8 | 19,6 | 17,8 | 16,3 | 14,0 | 12,3 | 19,6 | 16,3 | 14,0 | 12,3 | 9,8 | 8,2 | 19,6 | 16,3 | 14,0 | 12,3 | 19,6 | 16,3 | 14,0 | 12,3 |
| | 600 x 16 Tire cycles to be turned (Wheel circumference is 226 cm) | 19,7 | 17,7 | 16,1 | 14,7 | 12,6 | 11,1 | 17,7 | 14,7 | 12,6 | 11,1 | 8,8 | 7,4 | 17,7 | 14,7 | 12,6 | 11,1 | 17,7 | 14,7 | 12,6 | 11,1 |
| | 10.75 x 13 Tire cycles to be turned (Wheel circumference is 242 cm) | 18,4 | 16,5 | 15,0 | 13,8 | 11,8 | 10,3 | 16,5 | 13,8 | 11,8 | 10,3 | 8,3 | 6,9 | 16,5 | 13,8 | 11,8 | 10,3 | 16,5 | 13,8 | 11,8 | 10,3 |
| | 9.5 x 24 Tire cycles to be turned (Wheel circumference is 318 cm) | 14,0 | 12,6 | 11,4 | 10,5 | 9,0 | 7,9 | 12,6 | 10,5 | 9,0 | 7,9 | 6,3 | 5,2 | 12,6 | 10,5 | 9,0 | 7,9 | 12,6 | 10,5 | 9,0 | 7,9 |

**TABLE-3**

## 4.12 SEED SETTINGS

### 4.12.1 BIG SLIDE SETTINGS

Big slide is used for sowing coarse grained seeds. If the seed to be sowed is coarse grained such as wheat, barley, oat, chickpea etc., you can move the big slide to the desired position. Big slide operates in 3 positions. For example; barley, oat, lentil etc. can be sowed in the second position, chickpea can be sowed in the third position. Slide settings related to the seed you will sow is shown in **TABLE-1**.

You can get information from our factory's telephone **+90 332 503 27 777** for the product that is not in the table.

While using the big sliding cover, keep the small sliding cover closed.
Never leave the big sliding cover at an interim position.

### 4.12.2 SMALL SLIDE SETTINGS

Small slide is used for sowing small grained seeds. If the seed to be sowed is small grained such as canola (colza), clover, anise, cumin etc., you can move the small slide to the desired position. Small slide operates in 8 positions. For example; canola can be sowed in the third position. Slide settings related to the seed you will sow is shown in **TABLE-1**.

You can get information from our factory's telephone **+90 332 503 27 77** for the product that is not in the table.

While using the small sliding cover, keep the big sliding cover closed.
Never leave the small sliding cover at an interim position.

### 4.12.3 FLAP SETTINGS

Flap lever is positioned on your machine in order to ensure complete and smooth seed flow because seed to be sowed is small or coarse. If the seed to be sowed is coarse, the figure on the flap position is big, and if the seed is small, the number on the flap position should be small. For example; flap setting should be 8 for chickpea, etc., 2 for lentil, etc., 1 for wheat, barley, oat, etc. and 0 (zero) for canola, clover, cumin, anise, etc.

**NOTE** After finishing sowing, you can pull the flap to the lowest position to empty seed inside the chambers.

### 4.12.4 SEED TRANSMISSION SETTINGS

Transmission system is applied to brig precise and correct seed amount together with soil. You can adjust the amount of seed to be sowed with the help transmission. There are figures from 0 (zero) to 60 on the transmission. These figures are reference numbers and do not indicate the amount of seeds to be thrown. For example; for wheat, you can throw 22 kg/Da seed to be thrown by bringing it to 37 on the transmission. For canola, you can throw 600 kg/Da seed to be thrown by bringing it to 15 on the transmission.

**NOTE** The numbers mentioned above are examples. Approximate amount of seeds to be thrown is given in **SEED DISTRIBUTION BOARD** (Pg. 32-49). For full and correct setting, please refer to the calculation of the amount of seed to be thrown to a decare.

## 4.12.5 CALCULATING SEED AMOUNT TO BE THROWN TO DECARE (1DA=1000 M²)

### WHEAT EXAMPLE CALCULATION

You can calculate the amount of seed you want to sow with your seeder as follows.

Fill the seed chamber of seeder with the seed to be thrown to the field. Lift the machine with 3-point hanging system up so that wheels don't touch the ground. First of all, make big slide, small slide and flap settings depending on the kind of seed you will sow. For wheat, bring big slide to the second position, bring small slide to the closed position and bring flap to the position 1. Then bring the amount of seed to be thrown to the reference value given in **TABLE-5**. To pull down the tray at the bottom of the seed gears of your seeder, remove the pins shown in **FIGURE-1** and push the tray backwards. Adjust the text cups to be under the seed gears of the machine. Then, lift the machine with 3-point hanging system up so that wheels don't touch the ground. Turn the wheel with a 3 meters of working width and 10.75/13 tire size and connected to the seed transmission of the seeder approximately 13.7 cycles. Seed amount poured into the test cups is equal to the amount of seed to be thrown to 100 $m^2$. If you multiply the seed poured into test cup by 10 after weighing with precision scale/balance, you will have set the amount of seed to be thrown to 1000 $m^2$.

For example; suppose that the amount poured is 2300 grams when you turn the wheel 13,7 cycles. If we multiply this number by 10, 2300x10=23000 gram, ie. your seeder is set to throw 23 kg seed to a decare. If the amount of seed to be thrown is less than 23 kg/da, bring the transmission lever to the position lower than 22, and if the amount of seed to be thrown is more than 23 kg/da, bring the transmission lever to the position higher than 22. Then, repeat the process and test again and repeat the process until you find the desired amount of seeds.

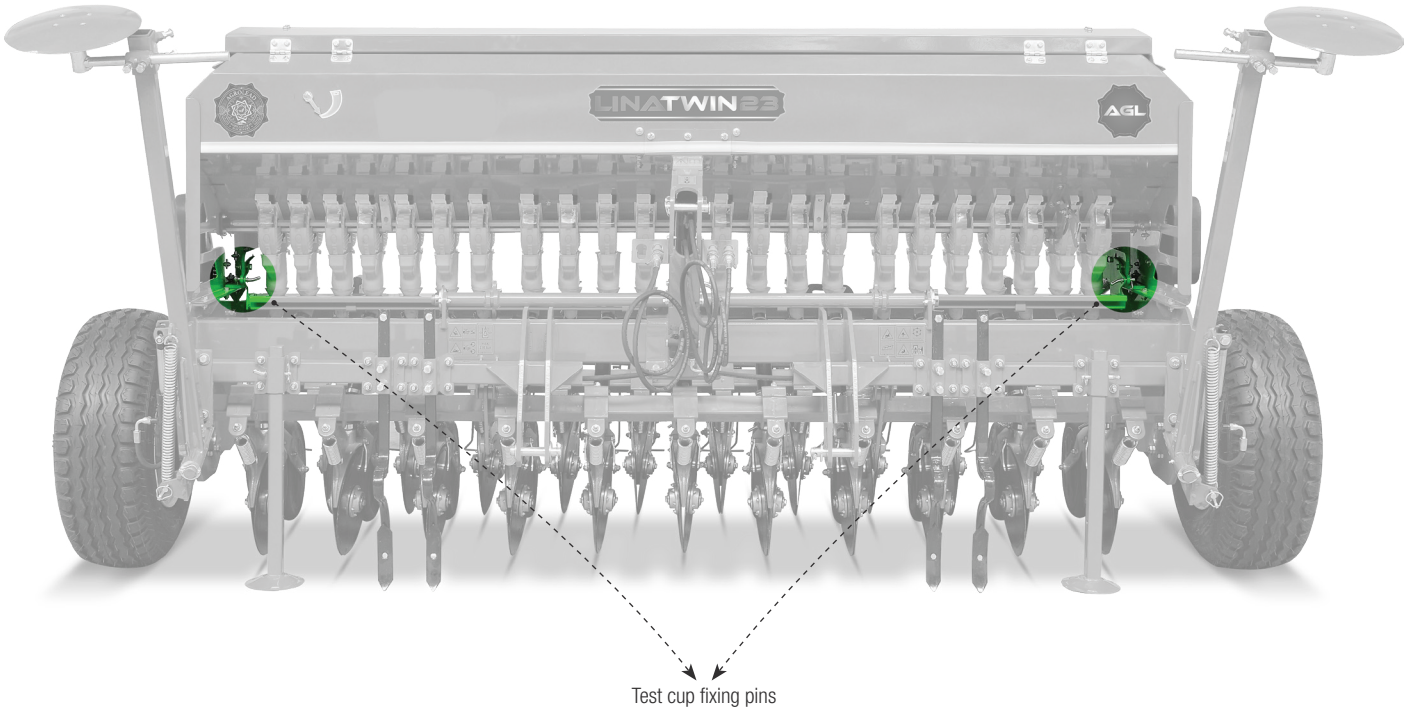



**FIGURE-1**

## CANOLA EXAMPLE CALCULATION

Fill the seed chamber of seeder with the canola seed to be thrown to the field. Lift the machine with 3-point hanging system up so that wheels don't touch the ground. First of all, make big slide, small slide and flap settings depending on the kind of seed you will sow. For canola, bring big slide to the closed position, bring small slide to the fourth position and bring flap to the position 0 (zero). Then bring the amount of seed to be thrown to the reference value which is 10 given in **TABLE-5**. To pull down the tray at the bottom of the seed gears of your seeder, remove the pins shown in **FIGURE-1** and push the tray backwards. Adjust the text cups to be under the seed gears of the machine. Then, lift the machine with 3-point hanging system up so that wheels don't touch the ground. Turn the wheel with a 3 meters of working width and 10.75/13 tire size and connected to the seed transmission of the seeder approximately 13.7 cycles. Seed amount poured into the test cups is equal to the amount of seed to be thrown to 100 $m^2$. If you multiply the seed poured into test cup by 10 after weighing with precision scale/balance, you will have set the amount of seed to be thrown to 1000 $m^2$.

For example; suppose that the amount poured is 60 grams when you turn the wheel 13,7 cycles. If we multiply this number by 10, 60x10 = 600 gram, ie. your seeder is set to throw 600 g seed to a decare. If the amount of seed to be thrown is less than 600 g/da, bring the transmission lever to the position lower than 10, and if the amount of seed to be thrown is more than 600 g/da, bring the transmission lever to the position higher than 10. Then, repeat the process and test again and repeat the process until you find the desired amount of seeds.

**NOTE** You should multiply the amount by 16 where 1 decare =1600 $m^2$ , by 20 where 1 decare =2000 $m^2$, by 25 where 1 decare=2500 $m^2$.

After setting big slide, small slide, flap and transmission and turning the seeder's wheel with a 3 meters of working width and 10.75/13 tire size approximately 13.7 cycles, seed amount poured into the test cups is equal to the amount of seed to be thrown to 100 m2. This test is applicable for all products you will sow.

**NOTE** If your machine's dimensions are different than those given, find your machine in **TABLE-3** and turn the wheel at the rate which is indicated. The amount poured into the test cup is again equal to 100 square meters.

Place the test cup under the courses. Turn the wheel until seed comes from all courses. Put seeds poured in the test cup into tank. Place the test cup under the course again. Turn the wheel by the number of cycles specified in **TABLE-3** depending on the machine's working width and tire size. Weigh the seeds poured in the test cup.
The result gives the amount of seed to be thrown to 100 $m^2$. Multiply the amount by 10 to find the seed to be thrown to 1000 $m^2$.

**NOTE** You should multiply the amount by 16 where 1 decare =1600 $m^2$ , by 20 where 1 decare =2000 $m^2$, by 25 where 1 decare=2500 $m^2$.

Seeds which are not cleaned well and broken seeds form lumps and this causes deterioration in seeding order. Broken barley and husked canola seeds can be shown as an example.

There is always a possibility for movement wheel spinning on the soil ground to skid due to the ground structure. So there might be deviations in the amount of seeds thrown.

When you enter the field for the first time, seed mobility may be too high at first and therefore, your machine will throw more seeds than calculated for a short time. However, this situation returns to normal after a while. In order to avoid this amount of deviation, we recommend you to perform a new calibration test after seeding approximately 500 m and to adjust transmission if necessary.

## 5.1 CALCULATING FERTILIZER AMOUNT TO BE THROWN TO DECARE (1DA=1000 M²)

Fill the fertilizer chamber of seeder with the fertilizer to be thrown to the field. Lift the machine with 3-point hanging system up so that wheels don't touch the ground. You can calculate the amount of fertilizer to be thrown as follows in order to throw fertilizer along with seed to your field.

First of all, bring big slide to the position 1 or 2 depending on the kind of seed you will sow. Position 1 is used for small sized fertilizers, position 2 is used for medium sized fertilizers. Bring the flap to the position 1 for fertilizer. Then bring the amount of fertilizer to be thrown to the reference value given in **TABLE-7**. To pull down the tray at the bottom of the fertilizer gears of your seeder, remove the pins shown and push the tray backwards. Adjust the text cups to be under the fertilizer gears of the machine. Then, lift the machine with 3-point hanging system up so that wheels don't touch the ground. Turn the wheel with a 3 meters of working width and 10.75/13 tire size and connected to the seed transmission of the seeder approximately 13.7 cycles. Fertilizer amount poured into the test cups is equal to the amount of fertilizer to be thrown to 100 $m^2$. If you multiply the fertilizer poured into test cup by 10 after weighing with precision scale/balance, you will have set the amount of fertilizer to be thrown to 1000 $m^2$.

For example; suppose that the amount poured is 1500 grams when you turn the wheel 13,7 cycles. If we multiply this number by 10, 1500x10=15000 gram, ie. your seeder is set to throw 15 kg fertilizer to a decare. If the amount of fertilizer to be thrown is less than 15 kg/da, bring the transmission lever to the position lower than 16, and if the amount of seed to be thrown is more than 15 kg/da, bring the transmission lever to the position higher than 16. Then, repeat the process and test again and repeat the process until you find the desired amount of fertilizer

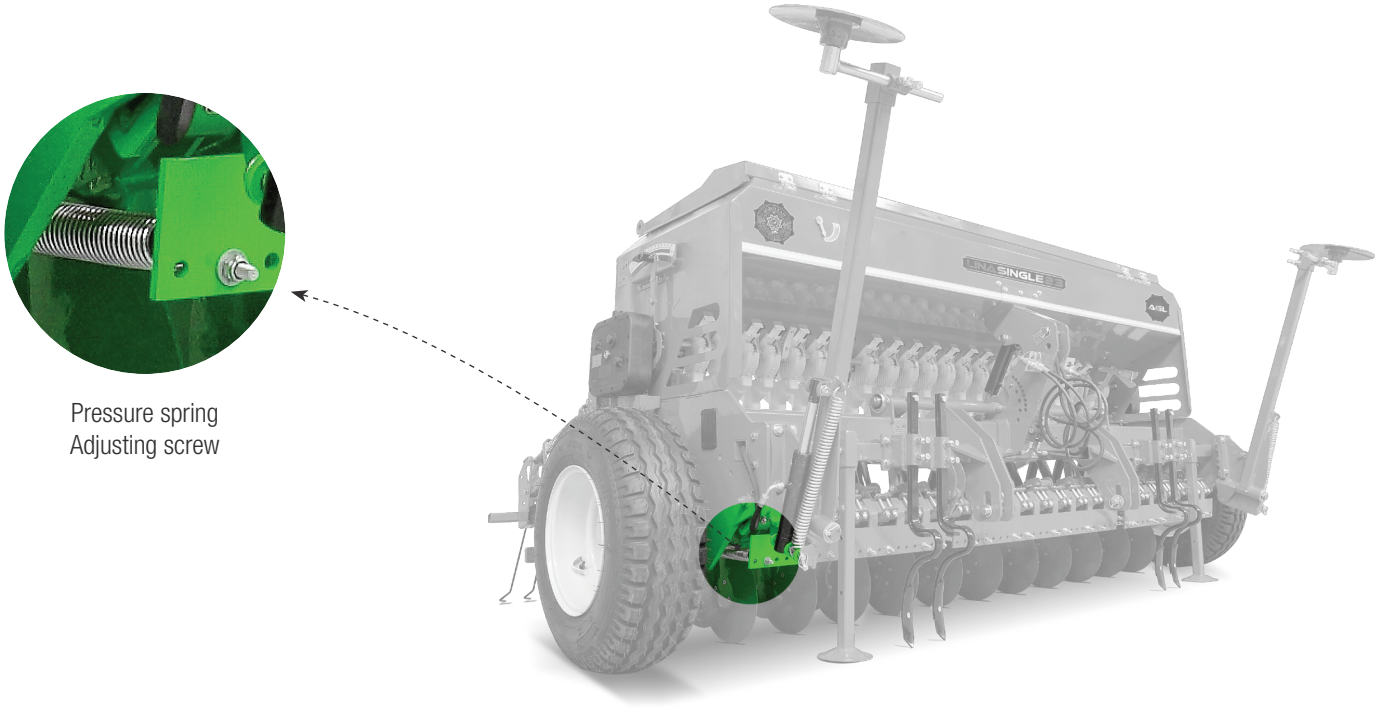
**NOT** You should multiply the amount by 16 where 1 decare =1600 $m^2$, by 20 where 1 decare =2000 $m^2$, by 25 where 1 decare=2500 $m^2$.

## 5.2 EMPTYING SEED AND FERTILIZER TANKS

In order to empty the seed storage, a tarpaulin is placed under the machinery which is connected to the tractor and in lifted position. Flap setting lever is pushed back; thus seeds remaining in the storage pass from hoses and discharged on the tarpaulin.

## 5.3 SEEDING TINE PRESSURE ADJUSTMENT

Seeding depth is generally adjusted by increasing or decreasing spring pressure applied to seeding tines.



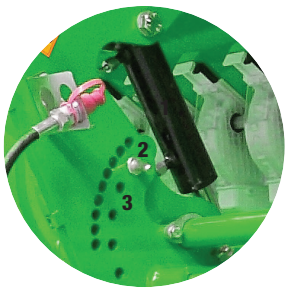
Pressure spring
Adjusting screw

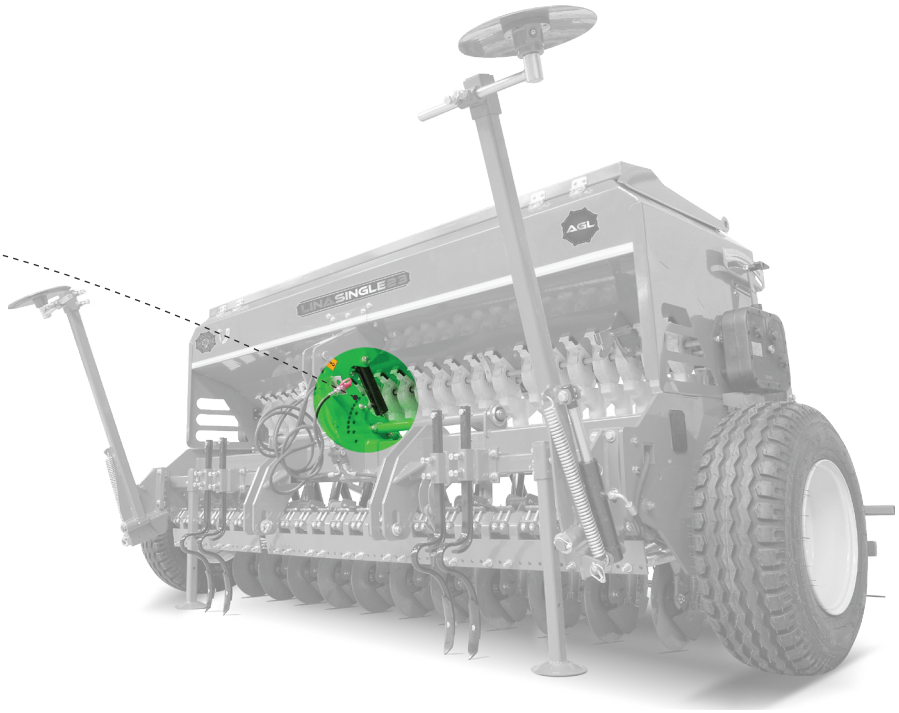
## 5.4 SEED DEPTH SETTING

Seed depth is adjusted hydraulically from a single point. As the hydraulic lift is pushed downwards, seeding depth is increased, and as it is pulled upwards, seeding depth is decreased. After seeding depth is adjusted from the hydraulic, system can be fixed.

Hydraulically adjustable central seeding depth adjustment is standard in single disk, twin disk and harrow tine machineries.

For the end spring coulter machineries, seeding depth is adjusted with the mechanical mechanism located at wheels. As wheels are pulled upwards, seeding depth is increased and wheels are pushed downwards, seeding depth is decreased.

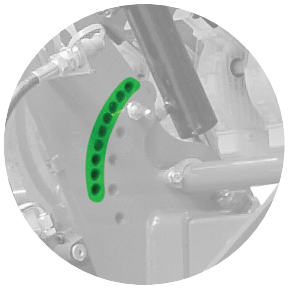


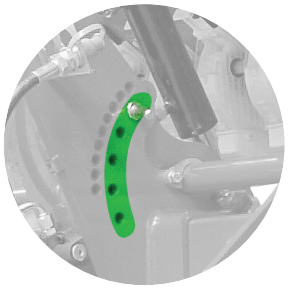

1- Hydraulic piston

2- Fixing pin

3- Depth adjustment level holes



**NOTE** Pressure adjustment level holes to be used when seeder is in pulled position.



**NOTE** Pressure adjustment level holes to be used when seeder is connected to 3 point hanging system.

## 5.5 MACHINE FLATNESS SETTINGS

Connect your seeder to the tractor with 3 point hanging system. Then, go to the side of your seeder and make adjustments according to sliding way of seeding tines. If front tines slide into more and rear tines slide into less, extend center arm of your tractor. If rear tines slide into more and front tines slide into less, shorten center arm of your tractor. It should look flat when you look at your seeder from the side.


If your seeder is pulled, connect to your tractor with the help of arrow. You can adjust the flatness of your seeder with the gear lever attached between arrow and seeder.


## 5.6 HARROW SETTINGS

Harrow system is used for the purpose of covering the seed better. Harrow system is optional.

### VERTICAL HARROW

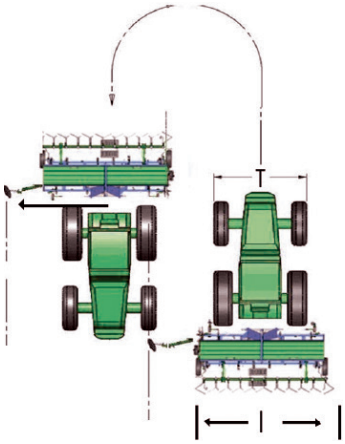
Vertical harrow should be preferred for the field where no stubble residue or very small amount of stubble residue is present. Harrow setting can be made with spring and adjustment level holes located on the arms connected to the machine.

## Y RAKE

Y rake should be preferred in order to cover the seed pits which may remain uncovered to perform the leveling task where stubble residues are much. It works neatly in large quantities of stubble residues. Harrow elements have spring and they properly rake lands with stubble residue or without stubble residue. Harrow pressure setting can be made with level holes at the desired pressure rate.

## 5.7 MARKER SETTINGS

Marker system is used to prevent rows from overlapping. Marker setting of your machine (if any) is made as follows. Marker is optional.




Length of markers is adjusted by using below written formula:
M: Distance between middle point of machinery and end of marker.
I: Seeding width of seeder.
T: Distance between front wheels of tractor.
M = I - (T / 2)

### EXAMPLE

Assume that we use a seeder having 300 cm of working width and the distance between tractor front wheels is 150 cm M.
Whereas:
M = 300 - (150 / 2) = 300-75 = 225 cm.

**Marker Setting Table**

| Front Wheel Trace Width (Distance from center of wheel to center) | Machine Working Width | | | | | | |
|---|---|---|---|---|---|---|---|
| | 200 cm | 225 cm | 250 cm | 275 cm | 300 cm | 350 cm | 400 cm |
| 130 cm | 135 | 160 | 185 | 210 | 235 | 285 | 335 |
| 135 cm | 132,5 | 157,5 | 182,5 | 207,5 | 232,5 | 282,5 | 332,5 |
| 140 cm | 130 | 155 | 180 | 205 | 230 | 280 | 330 |
| 145 cm | 127,5 | 152,5 | 177,5 | 202,5 | 227,5 | 277,5 | 327,5 |
| 150 cm | 125 | 150 | 175 | 200 | 225 | 275 | 325 |
| 155 cm | 122,5 | 147,5 | 172,5 | 197,5 | 222,5 | 272,5 | 322,5 |
| 160 cm | 120 | 145 | 170 | 195 | 220 | 270 | 320 |
| 165 cm | 117,5 | 142,5 | 167,5 | 192,5 | 217,5 | 267,5 | 317,5 |
| 170 cm | 115 | 140 | 165 | 190 | 215 | 265 | 315 |
| 175 cm | 112,5 | 137,5 | 162,5 | 187,5 | 212,5 | 262,5 | 312,5 |
| 180 cm | 110 | 135 | 160 | 185 | 210 | 260 | 310 |
| 185 cm | 107,5 | 132,5 | 157,5 | 182,5 | 207,5 | 257,5 | 307,5 |
| 190 cm | 105 | 130 | 155 | 180 | 205 | 255 | 305 |

To calculate the marker length, measure the front wheels of your tractor from center to center. Then divide the result by 2.
Deduct the number you find from the working width of the machine. The result represents the distance
from the center of your seeder to the end of the marker in cm.

**TABLE-4**

## 5.8 STEPS

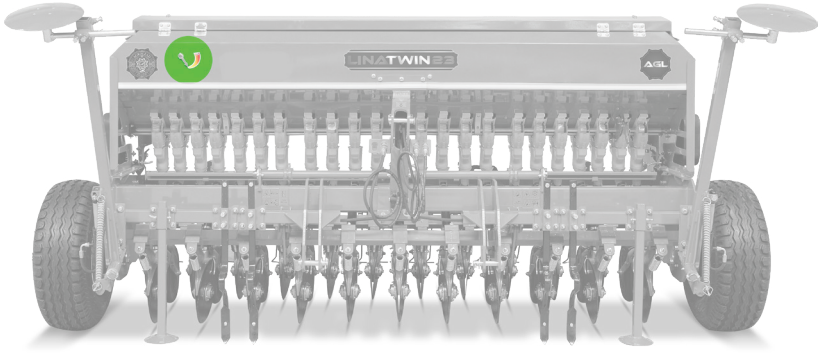
You can easily fill seed and fertilizer to tanks by using steps assembled at behind of the machinery. Thanks to notches on it, slipping risk is minimized.


## 5.9 SOIL SCRAPERS

Soil scrapers are assembled on wheels at behind of both wheels in order to prevent sludge accommodation.

## 5.10 TANK LEVEL INDICATOR

To control amount of seed in the tank, there is a float indicator on the front side of the machine.




## 5.11 TRANSPORTATION

Maximum carriage width allowed in intercity roads is 3.0 meters. Since equipment is lifted with tractor hydraulic during transportation, headlights and stop lights of tractor's rear side may not be seen. In order not to cause any accidents, headlights and stop lights may be placed at rear side of equipment. You can have a safer journey by connecting cables at correct places on the equipment.

**NOTE** Lighting set is optional.

## 6.1 MAINTENANCE

Long life of your seeder depends on a good maintenance. Thus, please pay required attention to below written suggestions.

## 6.2 TRANSMISSION

Variable speed transmission is delivered as filled with oil. Transmission oil level e can be monitored from gauge glass. If oil level is in the middle of the gauge glass, oil in the transmission is sufficient. If the oil level falls below the indicator, add some oil.

## 6.3 DRIVE CHAINS

After first 10 hours of sowing, tension level of chains must be adjusted. At the end of each sowing period, chains should be cleaned and greased

## 6.4 SOWING TINES

Single disc and twin disc tine rollers do not require maintenance. Harrow tines and coulter should be regularly controlled and worn parts should be replaced. Otherwise, it will not be possible to acquire a correct sowing depth.

## 6.5 PLASTIC AND SYNTHETIC PARTS

Plastic parts should be rinsed and cleaned at the end of each sowing period (Never use thinner, etc. substances!).

## 6.6 DRIVE WHEELS

Regularly control air pressure of drive wheels and pump air if required.

## 6.7 HYDRAULIC HOSES

They should be controlled regularly. Damaged or torn hoses should be replaced immediately.

**NOTE** If the seeder is pulled, bring road position from sowing position before disconnecting from tractor.

## 6.8 SOIL RAISERS

Soil raisers are mounted parallel to rear wheels of tractor on the main chassis of the machinery. Ensure that raiser tines are not mounted on the same plane with sowing tines. Also, depth level of raiser tines should not be more than depth level of sowing tines.

Soil raiser tines are provided optionally in single disc, twin disc and harrow type machineries.

## 6.9 CLEANING

After machine finishes the work, you can pull the flap to the lowest position to empty fertilizer and seed inside the hoppers. You can discharge remaining fertilizer and seed by turning both the right wheel and left wheel in order to prevent fertilizer and seed to remain inside. Wash your machine with water first and remove all dust, dirt and mud. Give water into the hoses underneath. Take care not to leave seeds, fertilizers, dust and mud in the hose.

Then, wash both inside the hoppers and the outside of your machine with a brush or sponge using auto shampoo. Then, rinse again with water. Keep your machine away from sunlight, rain, snow, etc. Maintenance and cleaning are essential for your machine to enable it to serve you for a long time. Please follow the rules mentioned.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

13

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 330,07 | 276,9 | 257,14 | 237,38 | 0 | 0 | 401,18 | 293,8 | 211,77 | 202 |
| | 10 | 613,21 | 556,66 | 531,31 | 488,8 | | | 632,97 | 579,28 | 466,96 | 423 |
| | 15 | 941,59 | 874,9 | 796,9 | 740,35 | | | 980,07 | 898,69 | 719,81 | 659 |
| | 20 | 1289,6 | 1206,14 | 1073,8 | 1003,21 | | | 1333,8 | 1223,69 | 967,72 | 895 |
| | 25 | 1617,2 | 1557,14 | 1401,66 | 1285,83 | | | 1667,38 | 1571,31 | 1251,77 | 114 |
| | 30 | 2065,83 | 1893,45 | 1712,62 | 1588,21 | | | 2108,21 | 1831,31 | 1550,25 | 142 |
| | 35 | 2396,42 | 2306,07 | 1927,38 | 1786,07 | | | | | | |
| | 38 | | | 2424,76 | 2300,35 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

17

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 431,63 | 362,1 | 336,26 | 310,42 | 0 | 0 | 524,62 | 384,2 | 276,93 | 264 |
| | 10 | 801,89 | 727,94 | 694,79 | 639,2 | | | 827,73 | 757,52 | 610,64 | 554 |
| | 15 | 1231,31 | 1144,1 | 1042,1 | 968,15 | | | 1281,63 | 1175,21 | 941,29 | 862 |
| | 20 | 1686,4 | 1577,26 | 1404,2 | 1311,89 | | | 1744,2 | 1600,21 | 1265,48 | 117 |
| | 25 | 2114,8 | 2036,26 | 1832,94 | 1681,47 | | | 2180,42 | 2054,79 | 1636,93 | 149 |
| | 30 | 2701,47 | 2476,05 | 2239,58 | 2076,89 | | | 2756,89 | 2394,79 | 2027,25 | 185 |
| | 35 | 3133,78 | 3015,63 | 2520,42 | 2335,63 | | | | | | |
| | 38 | | | 3170,84 | 3008,15 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 6,5 | 17,7 | 16,5 | 17,7 | 16,5 | Wheel cycle for 100 (a hundred) square meter seed | 17,7 | 16,5 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 2,15 | 678,21 | 610,35 | 45,11 | 31,59 | 2 | | |
| 3,67 | 1333,8 | 1209,52 | 71,11 | 57,07 | 3 | | |
| 9,62 | 2091,18 | 1961,18 | 93,21 | 85,8 | 4 | | |
| 5,44 | | | 125,45 | 115,83 | 5 | | |
| 1,01 | | | 153,66 | 143 | 6 | | |
| 0,25 | | | 193,83 | 176,28 | 7 | | |
| | | | 230,49 | 214,76 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 13-row (row distance 17.5 cm working width 2.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 3,7 | 14,7 | 13,7 | 14,7 | 13,7 | Wheel cycle for 100 (a hundred) square meter seed | 14,7 | 13,7 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 4,35 | 886,89 | 798,15 | 58,99 | 41,31 | 2 | | |
| 4,03 | 1744,2 | 1581,68 | 92,99 | 74,63 | 3 | | |
| 2,58 | 2734,62 | 2564,62 | 121,89 | 112,2 | 4 | | |
| 0,96 | | | 164,05 | 151,47 | 5 | | |
| 2,09 | | | 200,94 | 187 | 6 | | |
| 7,25 | | | 253,47 | 230,52 | 7 | | |
| | | | 301,41 | 280,84 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 17-row (row distance 17.5 cm working width 3 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 19,6 | 18,3 | 19,6 | 18,3 | 19,6 | 18,3 | 19,6 | 18,3 | 19,6 | 18 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 457,02 | 383,4 | 356,04 | 328,68 | 0 | 0 | 555,48 | 406,8 | 293,22 | 27 |
| | 10 | 849,06 | 770,76 | 735,66 | 676,8 | | | 876,42 | 802,08 | 646,56 | 586 |
| | 15 | 1303,74 | 1211,4 | 1103,4 | 1025,1 | | | 1357,02 | 1244,34 | 996,66 | 913 |
| | 20 | 1785,6 | 1670,04 | 1486,8 | 1389,06 | | | 1846,8 | 1694,34 | 1339,92 | 123 |
| | 25 | 2239,2 | 2156,04 | 1940,76 | 1780,38 | | | 2308,68 | 2175,66 | 1733,22 | 157 |
| | 30 | 2860,38 | 2621,7 | 2371,32 | 2199,06 | | | 2919,06 | 2535,66 | 2146,5 | 196 |
| | 35 | 3318,12 | 3193,02 | 2668,68 | 2473,02 | | | | | | |
| | 38 | | | 3357,36 | 3185,1 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 482,41 | 404,7 | 375,82 | 346,94 | 0 | 0 | 586,34 | 429,4 | 309,51 | 295 |
| | 10 | 896,23 | 813,58 | 776,53 | 714,4 | | | 925,11 | 846,64 | 682,48 | 619 |
| | 15 | 1376,17 | 1278,7 | 1164,7 | 1082,05 | | | 1432,41 | 1313,47 | 1052,03 | 964 |
| | 20 | 1884,8 | 1762,82 | 1569,4 | 1466,23 | | | 1949,4 | 1788,47 | 1414,36 | 130 |
| | 25 | 2363,6 | 2275,82 | 2048,58 | 1879,29 | | | 2436,94 | 2296,53 | 1829,51 | 166 |
| | 30 | 3019,29 | 2767,35 | 2503,06 | 2321,23 | | | 3081,23 | 2676,53 | 2265,75 | 207 |
| | 35 | 3502,46 | 3370,41 | 2816,94 | 2610,41 | | | | | | |
| | 38 | | | 3543,88 | 3362,05 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 3,3 | 19,6 | 18,3 | 19,6 | 18,3 | Wheel cycle for 100 (a hundred) square meter seed | 19,6 | 18,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 9,9 | 939,06 | 845,1 | 62,46 | 43,74 | 2 | | |
| 6,62 | 1846,8 | 1674,72 | 98,46 | 79,02 | 3 | | |
| 3,32 | 2895,48 | 2715,48 | 129,06 | 118,8 | 4 | | |
| 9,84 | | | 173,7 | 160,38 | 5 | | |
| 9,86 | | | 212,76 | 198 | 6 | | |
| 66,5 | | | 268,38 | 244,08 | 7 | | |
| | | | 319,14 | 297,36 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 18-row (working width 2.25 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 6,5 | 17,7 | 16,5 | 17,7 | 16,5 | Wheel cycle for 100 (a hundred) square meter seed | 17,7 | 16,5 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 5,45 | 991,23 | 892,05 | 65,93 | 46,17 | 2 | | |
| 9,21 | 1949,4 | 1767,76 | 103,93 | 83,41 | 3 | | |
| 4,06 | 3056,34 | 2866,34 | 136,23 | 125,4 | 4 | | |
| 8,72 | | | 183,35 | 169,29 | 5 | | |
| 7,63 | | | 224,58 | 209 | 6 | | |
| 5,75 | | | 283,29 | 257,64 | 7 | | |
| | | | 336,87 | 313,88 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 19-row (working width 2.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16,5 | 17,7 | 16 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 507,8 | 426 | 395,6 | 365,2 | 0 | 0 | 617,2 | 452 | 325,8 | 3 |
| | 10 | 943,4 | 856,4 | 817,4 | 752 | | | 973,8 | 891,2 | 718,4 | 65 |
| | 15 | 1448,6 | 1346 | 1226 | 1139 | | | 1507,8 | 1382,6 | 1107,4 | 101 |
| | 20 | 1984 | 1855,6 | 1652 | 1543,4 | | | 2052 | 1882,6 | 1488,8 | 137 |
| | 25 | 2488 | 2395,6 | 2156,4 | 1978,2 | | | 2565,2 | 2417,4 | 1925,8 | 175 |
| | 30 | 3178,2 | 2913 | 2634,8 | 2443,4 | | | 3243,4 | 2817,4 | 2385 | 21 |
| | 35 | 3686,8 | 3547,8 | 2965,2 | 2747,8 | | | | | | |
| | 38 | | | 3730,4 | 3539 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 533,19 | 447,3 | 415,38 | 383,46 | 0 | 0 | 648,06 | 474,6 | 342,09 | 326 |
| | 10 | 990,57 | 899,22 | 858,27 | 789,6 | | | 1022,49 | 935,76 | 754,32 | 684 |
| | 15 | 1521,03 | 1413,3 | 1287,3 | 1195,95 | | | 1583,19 | 1451,73 | 1162,77 | 106 |
| | 20 | 2083,2 | 1948,38 | 1734,6 | 1620,57 | | | 2154,6 | 1976,73 | 1563,24 | 144 |
| | 25 | 2612,4 | 2515,38 | 2264,22 | 2077,11 | | | 2693,46 | 2538,27 | 2022,09 | 184 |
| | 30 | 3337,11 | 3058,65 | 2766,54 | 2565,57 | | | 3405,57 | 2958,27 | 2504,25 | 229 |
| | 35 | 3871,14 | 3725,19 | 3113,46 | 2885,19 | | | | | | |
| | 38 | | | 3916,92 | 3715,95 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 6,5 | 17,7 | 16,5 | 17,7 | 16,5 | Wheel cycle for 100 (a hundred) square meter seed | 17,7 | 16,5 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 11 | 1043,4 | 939 | 69,4 | 48,6 | 2 | | |
| 1,8 | 2052 | 1860,8 | 109,4 | 87,8 | 3 | | |
| 14,8 | 3217,2 | 3017,2 | 143,4 | 132 | 4 | | |
| 77,6 | | | 193 | 178,2 | 5 | | |
| 55,4 | | | 236,4 | 220 | 6 | | |
| 85 | | | 298,2 | 271,2 | 7 | | |
| | | | 354,6 | 330,4 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 20-row (working width 2.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 1,8 | 12,6 | 11,8 | 12,6 | 11,8 | Wheel cycle for 100 (a hundred) square meter seed | 12,6 | 11,8 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 6,55 | 1095,57 | 985,95 | 72,87 | 51,03 | 2 | | |
| 4,39 | 2154,6 | 1953,84 | 114,87 | 92,19 | 3 | | |
| 5,54 | 3378,06 | 3168,06 | 150,57 | 138,6 | 4 | | |
| 6,48 | | | 202,65 | 187,11 | 5 | | |
| 3,17 | | | 248,22 | 231 | 6 | | |
| 4,25 | | | 313,11 | 284,76 | 7 | | |
| | | | 372,33 | 346,92 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 21-row (if row distance 17.5 cm working width 3.5 mt, or row distance 12 cm working width 2.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 16,0 | 18,3 | 16,0 | 18,3 | 16,0 | 18,3 | 16,0 | 18,3 | 16,0 | 18 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 558,58 | 468,6 | 435,16 | 401,72 | 0 | 0 | 678,92 | 497,2 | 358,38 | 34 |
| | 10 | 1037,74 | 942,04 | 899,14 | 827,2 | | | 1071,18 | 980,32 | 790,24 | 716 |
| | 15 | 1593,46 | 1480,6 | 1348,6 | 1252,9 | | | 1658,58 | 1520,86 | 1218,14 | 111 |
| | 20 | 2182,4 | 2041,16 | 1817,2 | 1697,74 | | | 2257,2 | 2070,86 | 1637,68 | 151 |
| | 25 | 2736,8 | 2635,16 | 2372,04 | 2176,02 | | | 2821,72 | 2659,14 | 2118,38 | 193 |
| | 30 | 3496,02 | 3204,3 | 2898,28 | 2687,74 | | | 3567,74 | 3099,14 | 2623,5 | 240 |
| | 35 | 4055,48 | 3902,58 | 3261,72 | 3022,58 | | | | | | |
| | 38 | | | 4103,44 | 3892,9 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 584 | 490 | 455 | 420 | | | 710 | 520 | 440 | 4 |
| | 10 | 1085 | 985 | 940 | 865 | | | 1120 | 1025 | 970 | 8 |
| | 15 | 1666 | 1548 | 1410 | 1310 | | | 1734 | 1590 | 1495 | 13 |
| | 20 | 2282 | 2134 | 1900 | 1775 | | | 2360 | 2165 | 2010 | 18 |
| | 25 | 2862 | 2755 | 2480 | 2275 | | | 2950 | 2780 | 2600 | 23 |
| | 30 | 3655 | 3350 | 3030 | 2810 | | | 3730 | 3240 | 3220 | 29 |
| | 35 | 4240 | 4080 | 3410 | 3160 | | | | | | |
| | 38 | | | 4290 | 4070 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 3,3 | 16,0 | 18,3 | 16,0 | 18,3 | Wheel cycle for 100 (a hundred) square meter seed | 16,0 | 18,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 2,1 | 1147,74 | 1032,9 | 76,34 | 53,46 | 2 | | |
| 6,98 | 2257,2 | 2046,88 | 120,34 | 96,58 | 3 | | |
| 6,28 | 3538,92 | 3318,92 | 157,74 | 145,2 | 4 | | |
| 5,36 | | | 212,3 | 196,02 | 5 | | |
| 0,94 | | | 260,04 | 242 | 6 | | |
| 03,5 | | | 328,02 | 298,32 | 7 | | |
| | | | 390,06 | 363,44 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 22-row (working width 2.75 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 3,7 | 14,7 | 13,7 | 14,7 | 13,7 | Wheel cycle for 100 (a hundred) square meter seed | 14,7 | 13,7 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 20 | 1200 | 1080 | 80 | 56 | 2 | | |
| 80 | 2360 | 2140 | 126 | 101 | 3 | | |
| 370 | 3700 | 3470 | 165 | 152 | 4 | | |
| 360 | | | 222 | 205 | 5 | | |
| 370 | | | 272 | 253 | 6 | | |
| 950 | | | 343 | 312 | 7 | | |
| | | | 408 | 380 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 23-row (working width 3 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

**24**

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13,7 | 14,7 | 13 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 609,36 | 511,2 | 474,72 | 438,24 | 0 | 0 | 740,64 | 542,4 | 390,96 | 37 |
| | 10 | 1132,08 | 1027,68 | 980,88 | 902,4 | | | 1168,56 | 1069,44 | 862,08 | 782 |
| | 15 | 1738,32 | 1615,2 | 1471,2 | 1366,8 | | | 1809,36 | 1659,12 | 1328,88 | 121 |
| | 20 | 2380,8 | 2226,72 | 1982,4 | 1852,08 | | | 2462,4 | 2259,12 | 1786,56 | 165 |
| | 25 | 2985,6 | 2874,72 | 2587,68 | 2373,84 | | | 3078,24 | 2900,88 | 2310,96 | 210 |
| | 30 | 3813,84 | 3495,6 | 3161,76 | 2932,08 | | | 3892,08 | 3380,88 | 2862 | 26 |
| | 35 | 4424,16 | 4257,36 | 3558,24 | 3297,36 | | | | | | |
| | 38 | | | 4476,48 | 4246,8 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

**25**

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 533,19 | 447,3 | 415,38 | 383,46 | 0 | 0 | 648,06 | 474,6 | 342,09 | 326 |
| | 10 | 990,57 | 899,22 | 858,27 | 789,6 | | | 1022,49 | 935,76 | 754,32 | 684 |
| | 15 | 1521,03 | 1413,3 | 1287,3 | 1195,95 | | | 1583,19 | 1451,73 | 1162,77 | 106 |
| | 20 | 2083,2 | 1948,38 | 1734,6 | 1620,57 | | | 2154,6 | 1976,73 | 1563,24 | 144 |
| | 25 | 2612,4 | 2515,38 | 2264,22 | 2077,11 | | | 2693,46 | 2538,27 | 2022,09 | 184 |
| | 30 | 3337,11 | 3058,65 | 2766,54 | 2565,57 | | | 3405,57 | 2958,27 | 2504,25 | 229 |
| | 35 | 3871,14 | 3725,19 | 3113,46 | 2885,19 | | | | | | |
| | 38 | | | 3916,92 | 3715,95 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 3,7 | 14,7 | 13,7 | 14,7 | 13,7 | Wheel cycle for 100 (a hundred) square meter seed | 14,7 | 13,7 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 3,2 | 1252,08 | 1126,8 | 83,28 | 58,32 | 2 | | |
| 2,16 | 2462,4 | 2232,96 | 131,28 | 105,36 | 3 | | |
| 7,76 | 3860,64 | 3620,64 | 172,08 | 158,4 | 4 | | |
| 3,12 | | | 231,6 | 213,84 | 5 | | |
| 6,48 | | | 283,68 | 264 | 6 | | |
| 622 | | | 357,84 | 325,44 | 7 | | |
| | | | 425,52 | 396,48 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 24-row (working width 3 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 0,3 | 11,0 | 10,3 | 11,0 | 10,3 | Wheel cycle for 100 (a hundred) square meter seed | 11,0 | 10,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 6,55 | 1095,57 | 985,95 | 72,87 | 51,03 | 2 | | |
| 4,39 | 2154,6 | 1953,84 | 114,87 | 92,19 | 3 | | |
| 5,54 | 3378,06 | 3168,06 | 150,57 | 138,6 | 4 | | |
| 6,48 | | | 202,65 | 187,11 | 5 | | |
| 3,17 | | | 248,22 | 231 | 6 | | |
| 4,25 | | | 313,11 | 284,76 | 7 | | |
| | | | 372,33 | 346,92 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 25-row (row distance 16 cm working width 4 mt, or row distance 2 cm working width 3 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 1 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 685 | 575 | 534 | 493 | | | 833 | 610 | 516 | 4 |
| | 10 | 1273 | 1156 | 1103 | 1015 | | | 1314 | 1203 | 1138 | 10 |
| | 15 | 1955 | 1817 | 1655 | 1538 | | | 2035 | 1866 | 1755 | 16 |
| | 20 | 2678 | 2505 | 2230 | 2083 | | | 2770 | 2541 | 2360 | 21 |
| | 25 | 3360 | 3234 | 2910 | 2670 | | | 3463 | 3263 | 3052 | 27 |
| | 30 | 4290 | 3932 | 3556 | 3300 | | | 4378 | 3803 | 3780 | 34 |
| | 35 | 4977 | 4790 | 4000 | 3709 | | | | | | |
| | 38 | | | 5036 | 4777 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 1 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 710,92 | 596,4 | 553,84 | 511,28 | 0 | 0 | 864,08 | 632,8 | 456,12 | 43 |
| | 10 | 1320,76 | 1198,96 | 1144,36 | 1052,8 | | | 1363,32 | 1247,68 | 1005,76 | 912 |
| | 15 | 2028,04 | 1884,4 | 1716,4 | 1594,6 | | | 2110,92 | 1935,64 | 1550,36 | 142 |
| | 20 | 2777,6 | 2597,84 | 2312,8 | 2160,76 | | | 2872,8 | 2635,64 | 2084,32 | 192 |
| | 25 | 3483,2 | 3353,84 | 3018,96 | 2769,48 | | | 3591,28 | 3384,36 | 2696,12 | 245 |
| | 30 | 4449,48 | 4078,2 | 3688,72 | 3420,76 | | | 4540,76 | 3944,36 | 3339 | 30 |
| | 35 | 5161,52 | 4966,92 | 4151,28 | 3846,92 | | | | | | |
| | 38 | | | 5222,56 | 4954,6 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 1,8 | 12,6 | 11,8 | 12,6 | 11,8 | Wheel cycle for 100 (a hundred) square meter seed | 12,6 | 11,8 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 93 | 1408 | 1267 | 94 | 65 | 2 | | |
| 033 | 2770 | 2512 | 148 | 118 | 3 | | |
| 608 | 4343 | 4073 | 193 | 178 | 4 | | |
| 83 | | | 260 | 240 | 5 | | |
| 782 | | | 319 | 297 | 6 | | |
| 463 | | | 402 | 366 | 7 | | |
| | | | 478 | 446 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 27-row (working width 3.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 1,8 | 12,6 | 11,8 | 12,6 | 11,8 | Wheel cycle for 100 (a hundred) square meter seed | 12,6 | 11,8 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 5,4 | 1460,76 | 1314,6 | 97,16 | 68,04 | 2 | | |
| 2,52 | 2872,8 | 2605,12 | 153,16 | 122,92 | 3 | | |
| 0,72 | 4504,08 | 4224,08 | 200,76 | 184,8 | 4 | | |
| 8,64 | | | 270,2 | 249,48 | 5 | | |
| 7,56 | | | 330,96 | 308 | 6 | | |
| 059 | | | 417,48 | 379,68 | 7 | | |
| | | | 496,44 | 462,56 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 28-row (working width 3.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

29

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 11,8 | 12,6 | 1 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 736,31 | 617,7 | 573,62 | 529,54 | 0 | 0 | 894,94 | 655,4 | 472,41 | 450 |
| | 10 | 1367,93 | 1241,78 | 1185,23 | 1090,4 | | | 1412,01 | 1292,24 | 1041,68 | 945 |
| | 15 | 2100,47 | 1951,7 | 1777,7 | 1651,55 | | | 2186,31 | 2004,77 | 1605,73 | 147 |
| | 20 | 2876,8 | 2690,62 | 2395,4 | 2237,93 | | | 2975,4 | 2729,77 | 2158,76 | 199 |
| | 25 | 3607,6 | 3473,62 | 3126,78 | 2868,39 | | | 3719,54 | 3505,23 | 2792,41 | 254 |
| | 30 | 4608,39 | 4223,85 | 3820,46 | 3542,93 | | | 4702,93 | 4085,23 | 3458,25 | 316 |
| | 35 | 5345,86 | 5144,31 | 4299,54 | 3984,31 | | | | | | |
| | 38 | | | 5409,08 | 5131,55 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

31

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 1 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 786 | 660 | 613 | 566 | | | 956 | 700 | 592 | 5 |
| | 10 | 1461 | 1327 | 1266 | 1165 | | | 1508 | 1381 | 1306 | 11 |
| | 15 | 2244 | 2086 | 1900 | 1765 | | | 2336 | 2142 | 2015 | 18 |
| | 20 | 3074 | 2876 | 2560 | 2391 | | | 3180 | 2917 | 2709 | 25 |
| | 25 | 3857 | 3713 | 3341 | 3065 | | | 3980 | 3746 | 3504 | 31 |
| | 30 | 4925 | 4514 | 4082 | 3788 | | | 5026 | 4366 | 4340 | 39 |
| | 35 | 5714 | 5500 | 4592 | 4258 | | | | | | |
| | 38 | | | 5782 | 5484 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 1,8 | 12,6 | 11,8 | 12,6 | 11,8 | Wheel cycle for 100 (a hundred) square meter seed | 12,6 | 11,8 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 0,95 | 1512,93 | 1361,55 | 100,63 | 70,47 | 2 | | |
| 5,11 | 2975,4 | 2698,16 | 158,63 | 127,31 | 3 | | |
| 1,46 | 4664,94 | 4374,94 | 207,93 | 191,4 | 4 | | |
| 7,52 | | | 279,85 | 258,39 | 5 | | |
| 5,33 | | | 342,78 | 319 | 6 | | |
| 8,25 | | | 432,39 | 393,24 | 7 | | |
| | | | 514,17 | 479,08 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 29-row (working width 3.5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 0,3 | 11,0 | 10,3 | 11,0 | 10,3 | Wheel cycle for 100 (a hundred) square meter seed | 11,0 | 10,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 66 | 1616 | 1454 | 108 | 75 | 2 | | |
| 86 | 3180 | 2884 | 170 | 135 | 3 | | |
| 346 | 4986 | 4676 | 221 | 204 | 4 | | |
| 506 | | | 298 | 275 | 5 | | |
| 94 | | | 366 | 341 | 6 | | |
| 976 | | | 461 | 420 | 7 | | |
| | | | 548 | 512 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 31-row (working width 4 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

32

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 812,48 | 681,6 | 632,96 | 584,32 | 0 | 0 | 987,52 | 723,2 | 521,28 | 49 |
| | 10 | 1509,44 | 1370,24 | 1307,84 | 1203,2 | | | 1558,08 | 1425,92 | 1149,44 | 104 |
| | 15 | 2317,76 | 2153,6 | 1961,6 | 1822,4 | | | 2412,48 | 2212,16 | 1771,84 | 162 |
| | 20 | 3174,4 | 2968,96 | 2643,2 | 2469,44 | | | 3283,2 | 3012,16 | 2382,08 | 220 |
| | 25 | 3980,8 | 3832,96 | 3450,24 | 3165,12 | | | 4104,32 | 3867,84 | 3081,28 | 280 |
| | 30 | 5085,12 | 4660,8 | 4215,68 | 3909,44 | | | 5189,44 | 4507,84 | 3816 | 34 |
| | 35 | 5898,88 | 5676,48 | 4744,32 | 4396,48 | | | | | | |
| | 38 | | | 5968,64 | 5662,4 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

33

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10,3 | 11,0 | 10 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 837,87 | 702,9 | 652,74 | 602,58 | 0 | 0 | 1018,38 | 745,8 | 537,57 | 513 |
| | 10 | 1556,61 | 1413,06 | 1348,71 | 1240,8 | | | 1606,77 | 1470,48 | 1185,36 | 107 |
| | 15 | 2390,19 | 2220,9 | 2022,9 | 1879,35 | | | 2487,87 | 2281,29 | 1827,21 | 167 |
| | 20 | 3273,6 | 3061,74 | 2725,8 | 2546,61 | | | 3385,8 | 3106,29 | 2456,52 | 227 |
| | 25 | 4105,2 | 3952,74 | 3558,06 | 3264,03 | | | 4232,58 | 3988,71 | 3177,57 | 289 |
| | 30 | 5244,03 | 4806,45 | 4347,42 | 4031,61 | | | 5351,61 | 4648,71 | 3935,25 | 360 |
| | 35 | 6083,22 | 5853,87 | 4892,58 | 4533,87 | | | | | | |
| | 38 | | | 6155,16 | 5839,35 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 0,3 | 11,0 | 10,3 | 11,0 | 10,3 | Wheel cycle for 100 (a hundred) square meter seed | 11,0 | 10,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 7,6 | 1669,44 | 1502,4 | 111,04 | 77,76 | 2 | | |
| 2,88 | 3283,2 | 2977,28 | 175,04 | 140,48 | 3 | | |
| 3,68 | 5147,52 | 4827,52 | 229,44 | 211,2 | 4 | | |
| 4,16 | | | 308,8 | 285,12 | 5 | | |
| 8,64 | | | 378,24 | 352 | 6 | | |
| 496 | | | 477,12 | 433,92 | 7 | | |
| | | | 567,36 | 528,64 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 32-row (working width 4 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| 0,3 | 11,0 | 10,3 | 11,0 | 10,3 | Wheel cycle for 100 (a hundred) square meter seed | 11,0 | 10,3 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 3,15 | 1721,61 | 1549,35 | 114,51 | 80,19 | 2 | | |
| 5,47 | 3385,8 | 3070,32 | 180,51 | 144,87 | 3 | | |
| 4,42 | 5308,38 | 4978,38 | 236,61 | 217,8 | 4 | | |
| 3,04 | | | 318,45 | 294,03 | 5 | | |
| 6,41 | | | 390,06 | 363 | 6 | | |
| 5,25 | | | 492,03 | 447,48 | 7 | | |
| | | | 585,09 | 545,16 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 33-row (working width 4 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

39

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 8,8 | 8,2 | 8,8 | 8,2 | 8,8 | 8,2 | 8,8 | 8,2 | 8,8 | 8 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 990,21 | 830,7 | 771,42 | 712,14 | 0 | 0 | 1203,54 | 881,4 | 635,31 | 606 |
| | 10 | 1839,63 | 1669,98 | 1593,93 | 1466,4 | | | 1898,91 | 1737,84 | 1400,88 | 127 |
| | 15 | 2824,77 | 2624,7 | 2390,7 | 2221,05 | | | 2940,21 | 2696,07 | 2159,43 | 197 |
| | 20 | 3868,8 | 3618,42 | 3221,4 | 3009,63 | | | 4001,4 | 3671,07 | 2903,16 | 268 |
| | 25 | 4851,6 | 4671,42 | 4204,98 | 3857,49 | | | 5002,14 | 4713,93 | 3755,31 | 342 |
| | 30 | 6197,49 | 5680,35 | 5137,86 | 4764,63 | | | 6324,63 | 5493,93 | 4650,75 | 426 |
| | 35 | 7189,26 | 6918,21 | 5782,14 | 5358,21 | | | | | | |
| | 38 | | | 7274,28 | 6901,05 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

## SEED DISTRIBUTION BOARD

(recommended seed distribution for 100m²/g

47

| Seed kind (Coarse and medium sized grain) | | Wheat | | Barley | | Oat | | Red Lentil | | Green Lenti | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 T |
| Wheel cycle for 100 (a hundred) square meter seed | | 7,3 | 6,8 | 7,3 | 6,8 | 7,3 | 6,8 | 7,3 | 6,8 | 7,3 | 6 |
| Flap lever position | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| Big slide position | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Small slide position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transmission adjustment lever value | 5 | 1194 | 1000 | 930 | 858 | 0 | 0 | 1450 | 1063 | 766 | 7 |
| | 10 | 2217 | 2012 | 1921 | 1767 | | | 2288 | 2095 | 1688 | 15 |
| | 15 | 3404 | 3163 | 2881 | 2676 | | | 3543 | 3249 | 2602 | 23 |
| | 20 | 4662 | 4360 | 3882 | 3627 | | | 4822 | 4424 | 3498 | 32 |
| | 25 | 5847 | 5629 | 5067 | 4649 | | | 6028 | 5680 | 4525 | 41 |
| | 30 | 7468 | 6845 | 6192 | 5742 | | | 7622 | 6620 | 5604 | 51 |
| | 35 | 8664 | 8337 | 6968 | 6457 | | | | | | |
| | 38 | | | 8766 | 8316 | | | | | | |
| | 40 | | | | | | | | | | |
| | 45 | | | | | | | | | | |
| | 50 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 57 | | | | | | | | | | |
| | 60 | | | | | | | | | | |

r.)

| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| ,2 | 8,8 | 8,2 | 8,8 | 8,2 | Wheel cycle for 100 (a hundred) square meter seed | 8,8 | 8,2 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 6,45 | 2034,63 | 1831,05 | 135,33 | 94,77 | 2 | | |
| 1,01 | 4001,4 | 3628,56 | 213,33 | 171,21 | 3 | | |
| 8,86 | 6273,54 | 5883,54 | 279,63 | 257,4 | 4 | | |
| 6,32 | | | 376,35 | 347,49 | 5 | | |
| 3,03 | | | 460,98 | 429 | 6 | | |
| 0,75 | | | 581,49 | 528,84 | 7 | | |
| | | | 691,47 | 644,28 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 39-row (working width 5 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

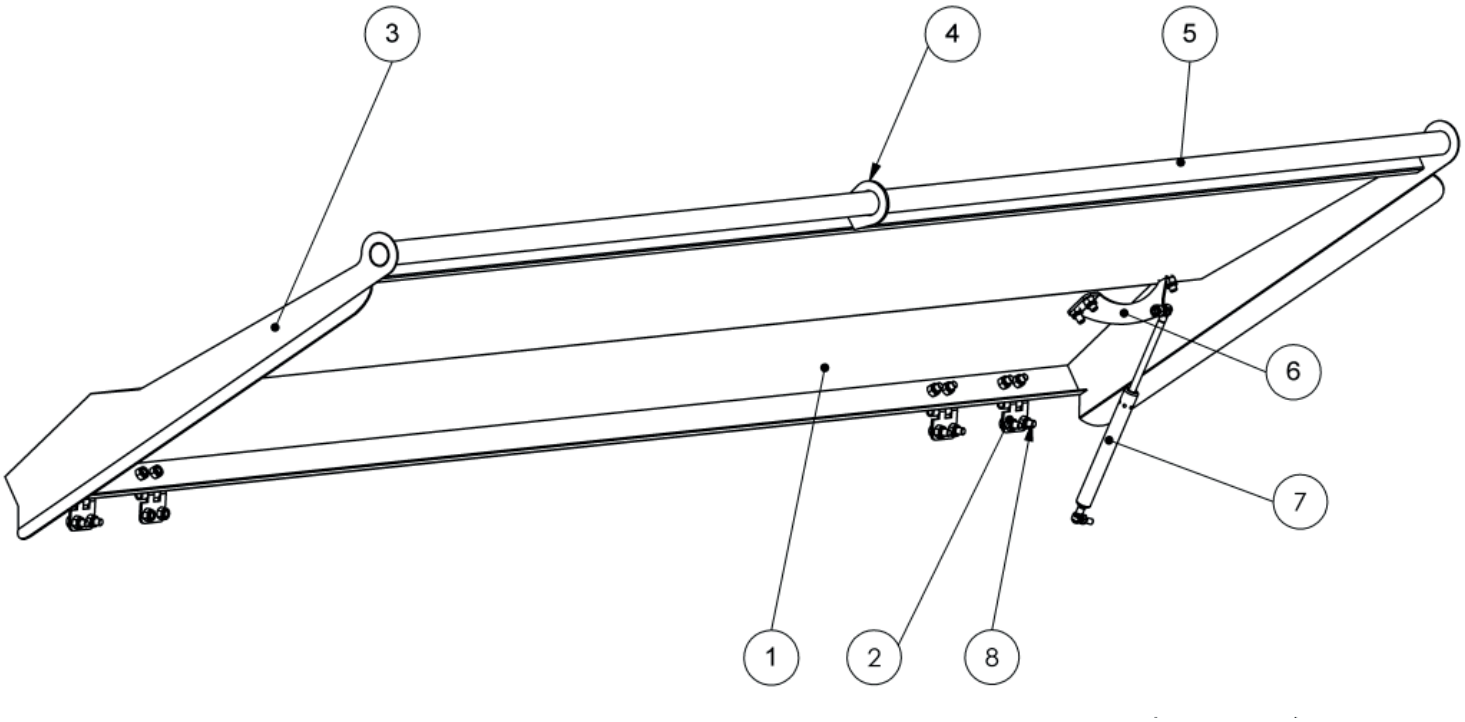
Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.

r.)

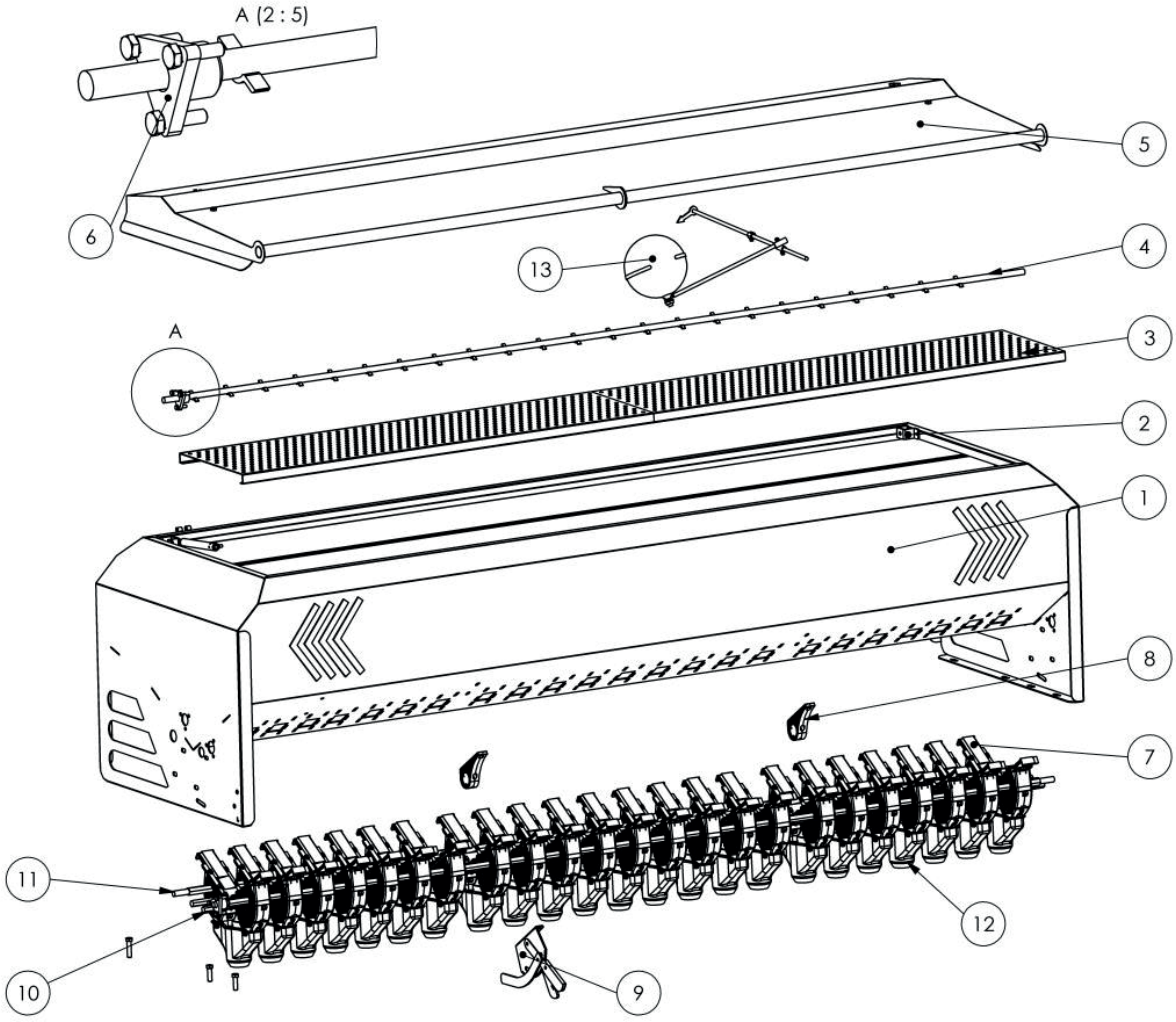
| il | Chickpea | | Clover | | Seed kind (Small grain) | Canola | |
|---|---|---|---|---|---|---|---|
| / 15,3 ire | 600 x 16 Tire | 10,75 / 15,3 Tire | 600 x 16 Tire | 10,75 / 15,3 Tire | Tire Size | 600 x 16 Tire | 10,75 / 15,3 Tire |
| ,8 | 7,3 | 6,8 | 7,3 | 6,8 | Wheel cycle for 100 (a hundred) square meter seed | 7,3 | 6,8 |
| 1 | 2 | 2 | 0 | 0 | Flap lever position | 0 | 0 |
| 2 | 3 | 3 | 0 | 0 | Big slide position | 0 | 0 |
| 0 | 0 | 0 | 3 | 3 | Small slide position | 3 | 3 |
| 30 | 2452 | 2206 | 163 | 114 | 2 | | |
| 531 | 4822 | 4372 | 257 | 206 | 3 | | |
| 885 | 7560 | 7090 | 337 | 310 | 4 | | |
| 237 | | | 435 | 418 | 5 | | |
| 25 | | | 555 | 517 | 6 | | |
| 35 | | | 700 | 637 | 7 | | |
| | | | 833 | 776 | 8 | | |
| | | | | | 9 | | |
| | | | | | 10 | | |
| | | | | | 11 | | |
| | | | | | 12 | | |
| | | | | | 13 | | |
| | | | | | 14 | | |
| | | | | | 15 | | |

This table is only results of test made in the factory environment for 47-row (working width 6 mt) seeder. It is not binding. Manufacturer does not accept any responsibility for this matter.

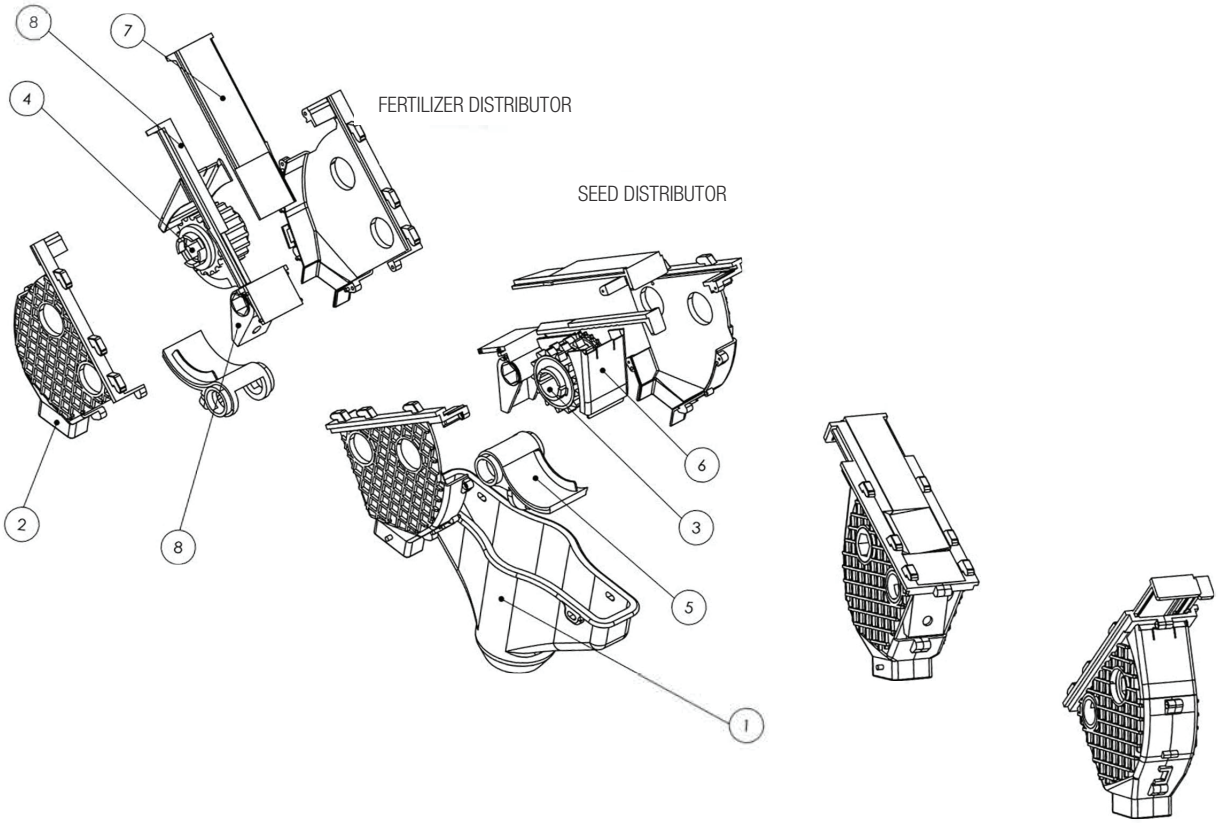
Please read operating manual for detailed settings! Flap location and slide position are the result of tests made in factory environment. Positions may vary depending on seed size. Figures given in the table are the reference numbers given for you to make seed settings. These figures are not binding.These figures are not binding. Reference numbers show the amount to be sowed in 100 (hundred) square meter area.



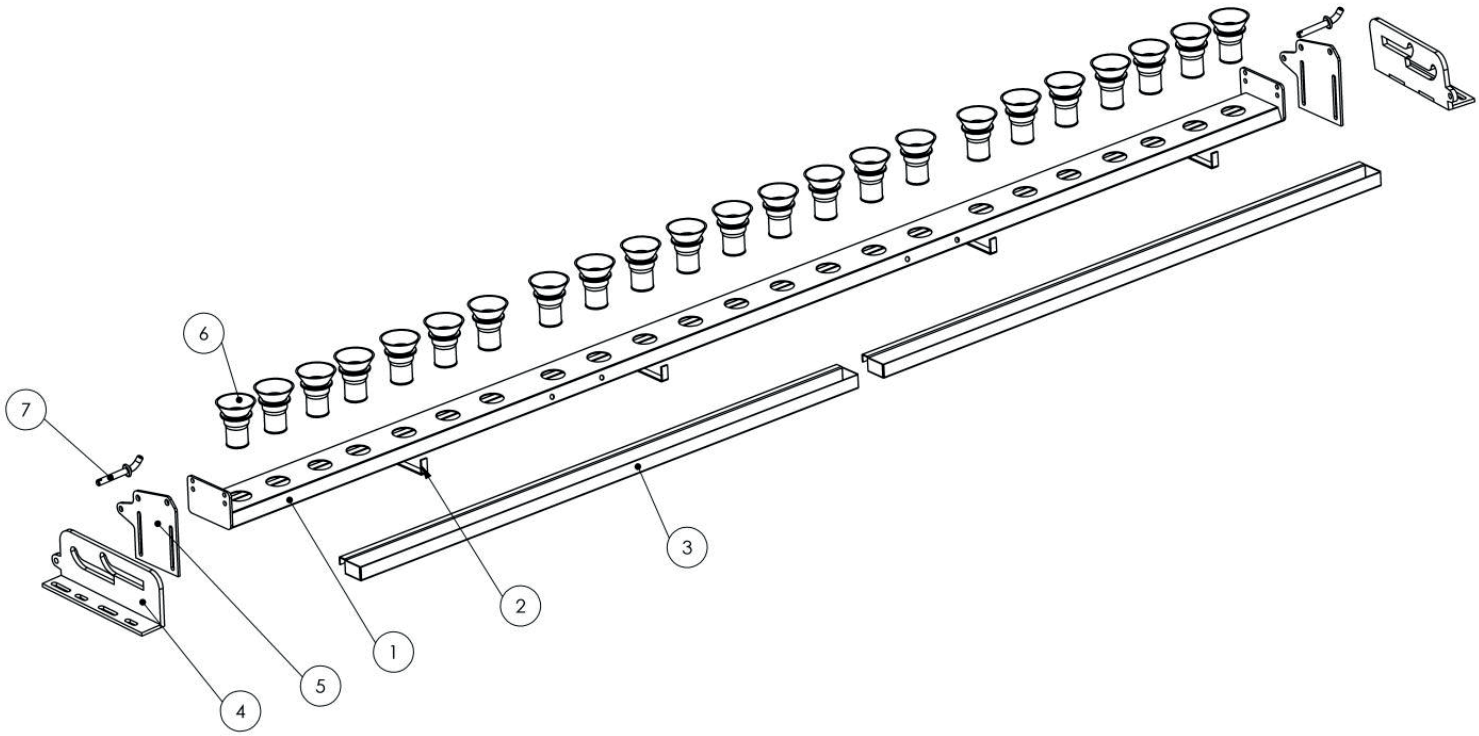

| HOPPER COVER | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-KPK-001 | Seeder Cover Plate | 1 | LINA-KPK-2019 |
| 2 | LN-KPK-001 | Cover Hinge | 4 | |
| 3 | LN-KPK-001 | Cover Side Support | 2 | |
| 4 | LN-KPK-001 | Cover Center Support | 1 | |
| 5 | LN-KPK-001 | Cover Pipe | 2 | |
| 6 | LN-KPK-001 | Piston Cover Attachment | 2 | |
| 7 | LN-KPK-001 | Cover Piston | 2 | |
| 8 | LN-KPK-001 | Cover Nuts | 16 | |



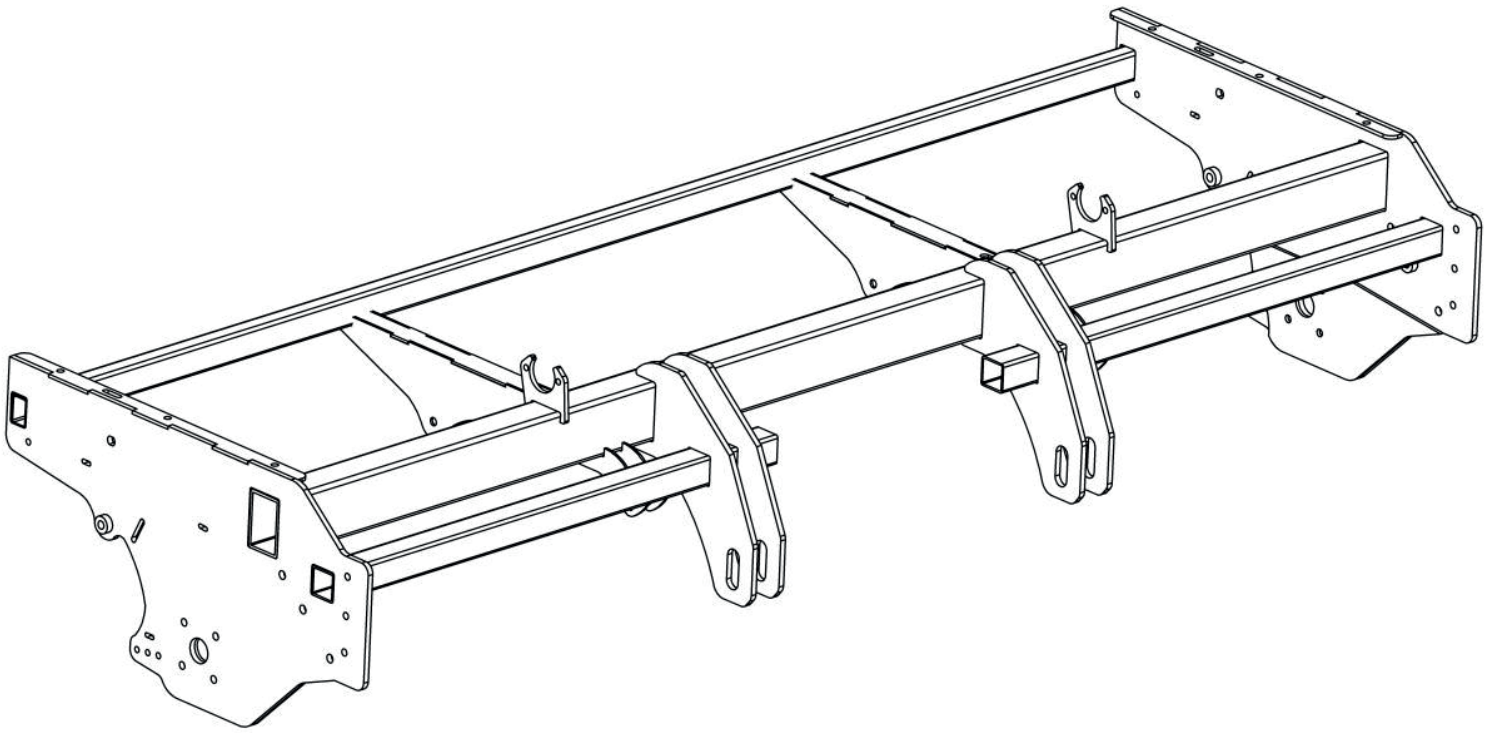

| HOPPER SET | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-SNDK-000 | Seeder Hopper | 1 | |
| 2 | LN-SNDK-001 | Seeder Tank Side Wall | 2 | |
| 3 | LN-SNDK-003 | Tub Wall | 1 | |
| 4 | LN-SNDK-004 | Distributor Seed Gear | 1 | |
| 5 | LN-KPK-000 | Fertilizer Mixer | 1 | |
| 6 | LN-SNDK-005 | Fertilizer Sieve | 2 | |
| 7 | LN-SNDK-006 | Distributor Set | 1 | LINA-SNDK-2019 |
| 8 | LN-SNDK-007 | Shaft Holder | 2 | |
| 9 | LN-SNDK-008 | Clamp Adjusting Lever | 2 | |
| 10 | LN-SNDK-009 | Distributor Drive Shaft | 2 | |
| 11 | LN-SNDK-010 | Distributor Adjusting Spindle | 2 | |
| 12 | LN-KR-001 | Double Flow Funnel | Various | |
| 13 | LN-SNDK-011 | Mixer Stabilizer | 1 | |



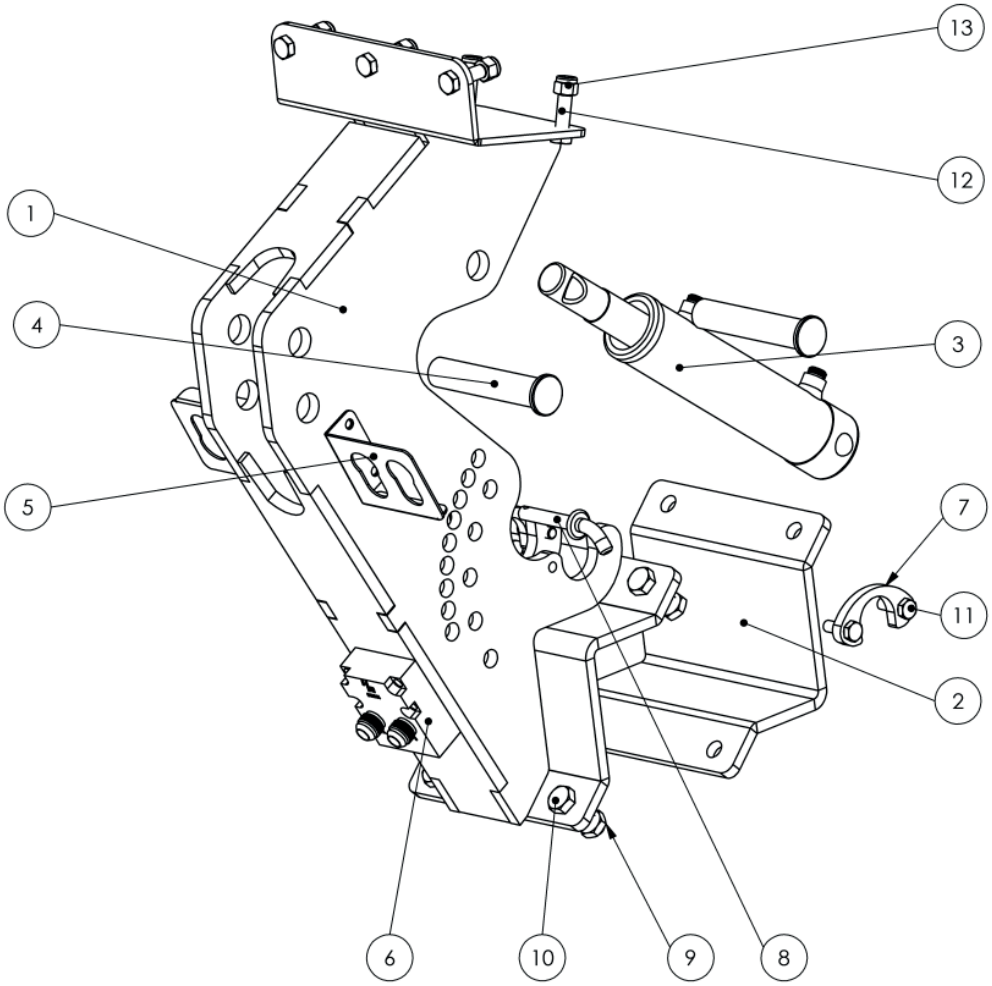

| SEED AND FERTILIZER DISTRIBUTORS | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-KR-001 | Double Flow Funnel | 1 | LINA-KR-2019 |
| 2 | LN-KR-101 | Distributor Side Cover | 2 | |
| 3 | LN-KR-102 | Distributor Seed Gear | 1 | |
| 4 | LN-KR-103 | Distributor Fertilizer Gear | 1 | |
| 5 | LN-KR-104 | Distributor Adjusting Latch | 1 | |
| 6 | LN-KR-105 | Distributor Glass | 1 | |
| 7 | LN-KR-106 | Distributor Adjusting Flap | 1 | |
| 8 | LN-KR-107 | Distributor Flap Adjustment | 1 | |



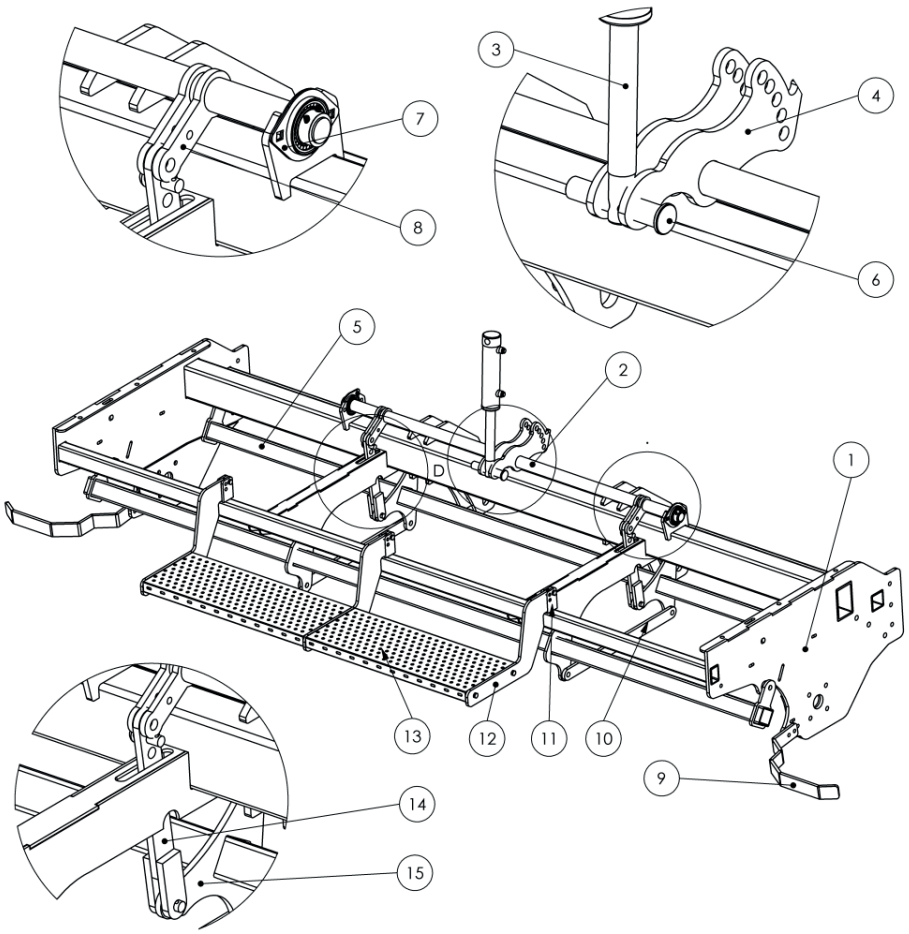

| HOSE FITTING SYSTEM | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-HRT-001 | Hose Fitting Plate | 1 | LINA-HRT-2019 |
| 2 | LN-HRT-002 | Test Cup Sheet Bar | 4 | |
| 3 | LN-HRT-003 | Test Cup | 2 | |
| 4 | LN-HRT-004 | Hose Fitting Movement Slide | 2 | |
| 5 | LN-HRT-005 | Hose Fitting Height Adjustment | 2 | |
| 6 | LN-HRT-101 | Hose Fitting Funnel | Various | |
| 7 | LN-BSMK-011 | Harrow Spring Fixing Pin | 2 | |



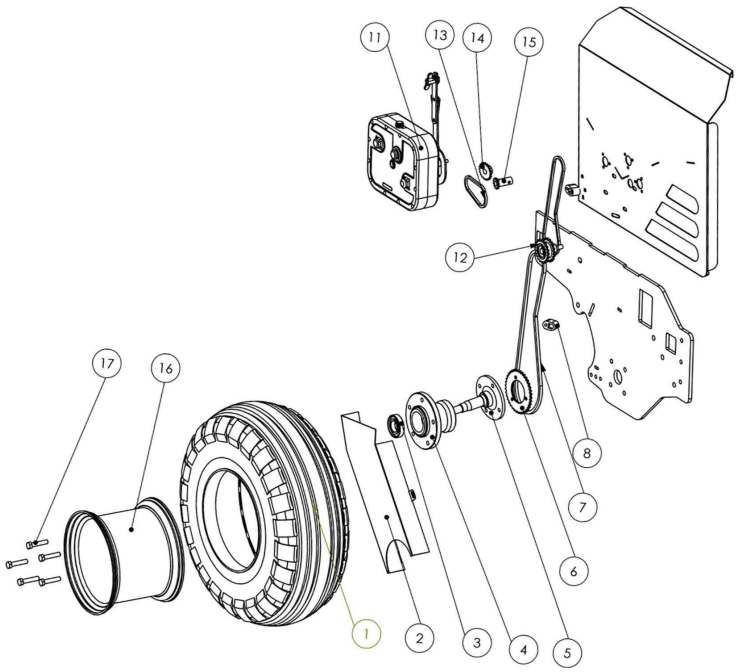
| CHASSIS | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| | | | | LINA-FRAME-2019 |



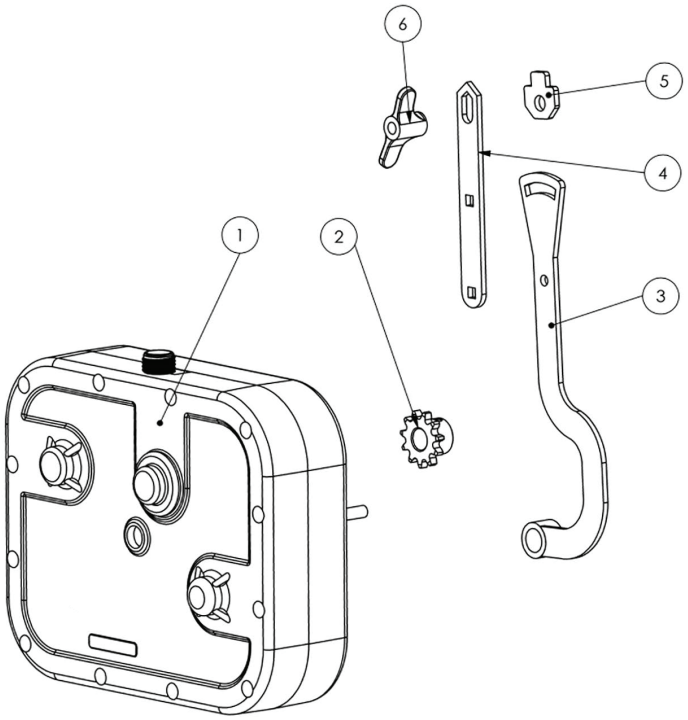

| DRAWBAR | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-OK-001 | Drawbar Body | 1 | LINA-OK-2019 |
| 2 | LN-OK-002 | Drawbar Profile Clamp | 1 | |
| 3 | LN-OK-003 | Drawbar Pressure Piston | 1 | |
| 4 | LN-OK-004 | Drawbar Draw Pin | 2 | |
| 5 | LN-OK-005 | Jack Apparatus | 2 | |
| 6 | LN-OK-006 | Jack Control | 1 | |
| 7 | LN-OK-007 | Shaft Clamp | 2 | |
| 8 | LN-OK-008 | Fixing Pin | 1 | |
| 9 | LN-S.HRK-013 | Pressure Profile Part | 4 | |
| 10 | LN-S.HRK-012 | Pressure Dovetail | 4 | |
| 11 | LN-OK-011 | M10 Bolt | 4 | |
| 12 | LN-OK-012 | M10 Nut | 4 | |
| 13 | LN-OK-013 | M12 Bolt | 5 | |
| 14 | LN-OK-014 | M12 Nut | 5 | |



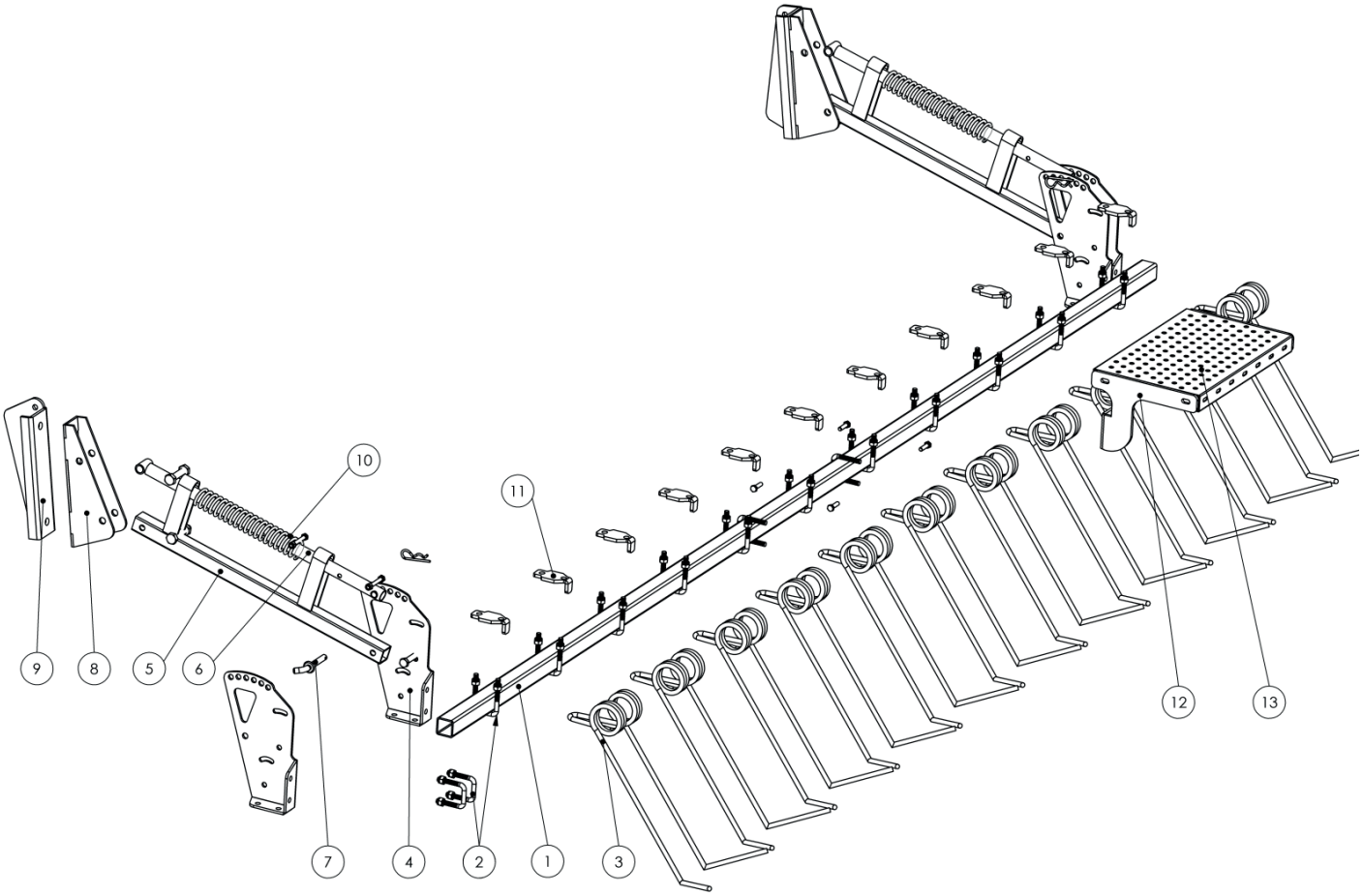

| CHASSIS MOVEMENT SYSTEM | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-SASE-000 | Chassis | 1 | |
| 2 | LN-S.HRK-001 | Pressure Crank | 1 | |
| 3 | LN-S.HRK-100 | Piston | 1 | |
| 4 | LN-S.HRK-002 | Pressure Crank Adjusting Lever | 2 | |
| 5 | LN-S.HRK-003 | Sowing Tine Profile | 2-3 | |
| 6 | LN-S.HRK-004 | Crank Pin | 4 | |
| 7 | LN-S.HRK-005 | Crank Bearing | 2 | |
| 8 | LN-S.HRK-006 | Pressure Adjusting Lever | 2 | LINA-S.HRK-2019 |
| 9 | LN-S.HRK-007 | Wheel Scraper | 2 | |
| 10 | LN-S.HRK-008 | Pressure Parallel Sheet Bar | 2 | |
| 11 | LN-S.HRK-019 | Step Connection Sheet Bar | 6 | |
| 12 | LN-S.HRK-010 | Step L | 3 | |
| 13 | LN-S.HRK-011 | Step Plate | 2 | |
| 14 | LN-S.HRK-012 | Pressure Dovetail | 2 | |
| 15 | LN-S.HRK-013 | Pressure Profile Part | 2 | |



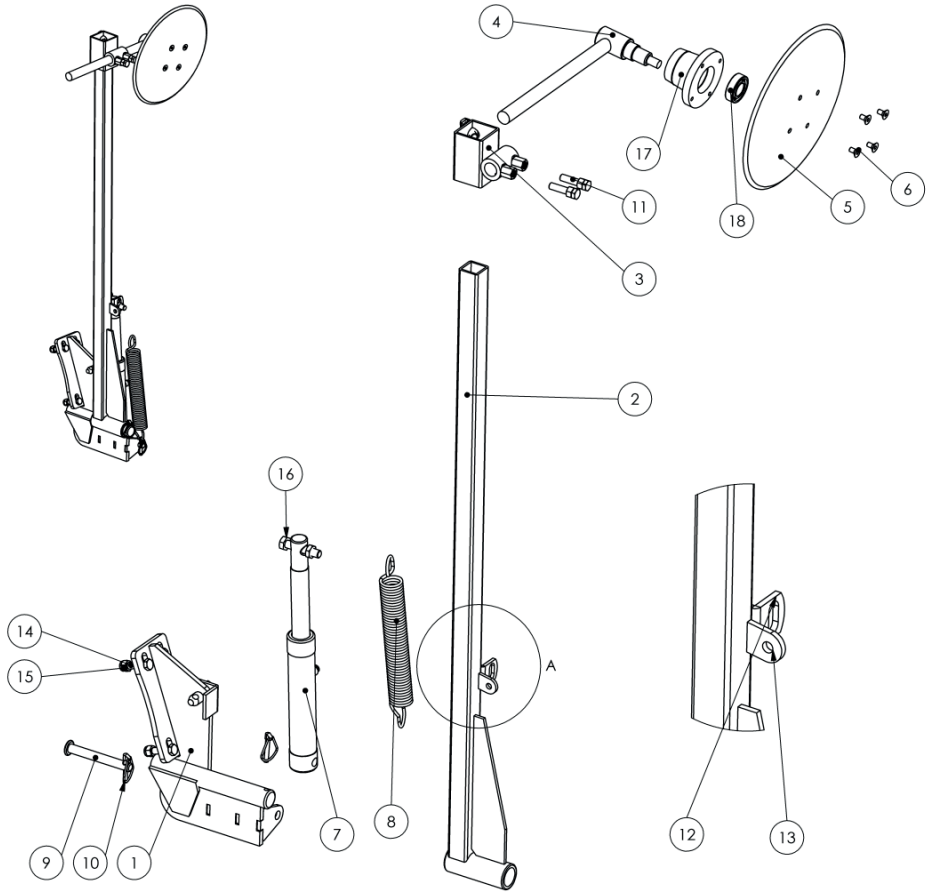

| WHEEL MOVEMENT SYSTEM | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-ZS-101 | Tire | 2 | |
| 2 | LN-ZS-001 | Chain Guide | 2 | |
| 3 | LN-ZS-002 | Hub Bearing (6208) | 2 | |
| 4 | LN-ZS-003 | Hub Ring | 2 | |
| 5 | LN-ZS-004 | Hub Shaft | 2 | |
| 6 | LN-ZS-005 | Wheel Drive Chain Gear | 2 | |
| 7 | LN-ZS-006 | Wheel Drive Chain | 2 | |
| 8 | LN-ZS-007 | Chain Tensioner | 4 | LINA-ZS-2019 |
| 11 | LN-TRNS-000 | Precisely Adjusted Transmission | 2 | |
| 12 | LN-ZS-009 | Cylindrical Gear Pair | 2 | |
| 13 | LN-ZS-010 | Fertilizer Mixer Gear | 1 | |
| 14 | LN-ZS-011 | Transmission Drive Gear | 2 | |
| 15 | LN-ZS-012 | Clamp Drive Gear | 2 | |
| 16 | LN-ZS-013 | Wheel Rim | 2 | |
| 17 | LN-ZS-014 | Wheel Lug nuts | 10 | |



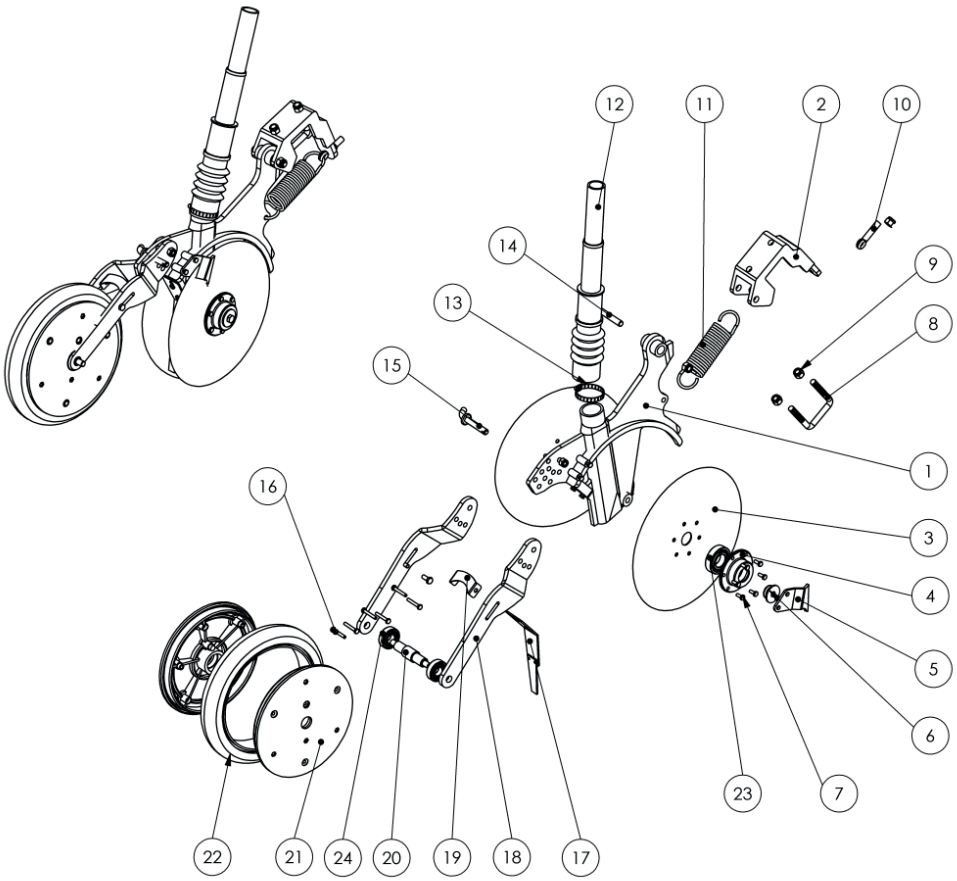

| PRECISION TRANSMISSION | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| - | LN-TRNS-000 | Transmission | - | |
| 1 | LN-TRNS-001 | Transmission Body | 1 | |
| 2 | LN-TRNS-002 | Drive Gear | 1 | |
| 3 | LN-TRNS-003 | Degree Indicator Lever | 1 | LINA-TRNS-2019 |
| 4 | LN-TRNS-004 | Indicator Precision Adjusting Lever | 1 | |
| 5 | LN-TRNS-005 | Indicator Mark | 1 | |
| 6 | LN-TRNS-006 | Fixing Butterfly Screw | 1 | |



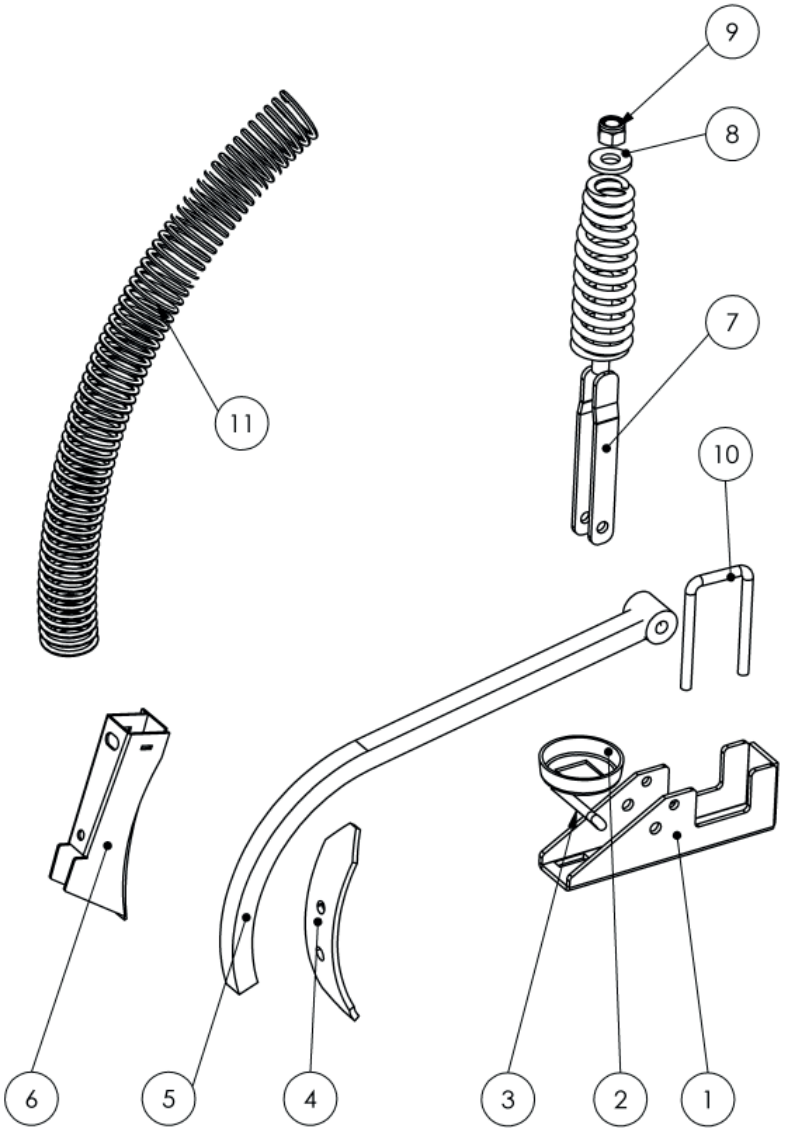

| PRESSURE HARROW | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-BSMK-001 | Harrow Profile | 1 | |
| 2 | LN-BSMK-002 | Harrow Clamp | Various | |
| 3 | LN-BSMK-003 | Harrow Spring | Various | |
| 4 | LN-BSMK-004 | Pressure Adjustment Body | 4 | |
| 5 | LN-BSMK-005 | Pressure Profile | 2 | |
| 6 | LN-BSMK-006 | Pressure Degree Pipe | 2 | |
| 7 | LN-BSMK-007 | Fixing Pin | 4 | LINA-BSMK-2019 |
| 8 | LN-BSMK-008 | Connection U | 2 | |
| 9 | LN-BSMK-009 | Harrow Chassis Connection | 2 | |
| 10 | LN-BSMK-010 | Harrow Pressure Spring | 2 | |
| 11 | LN-BSMK-011 | Harrow Spring Fixing Pin | Various | |
| 12 | LN-BSMK-012 | Harrow Step Sheet Bar | 2 | |
| 13 | LN-BSMK-013 | Harrow Step | 1 | |



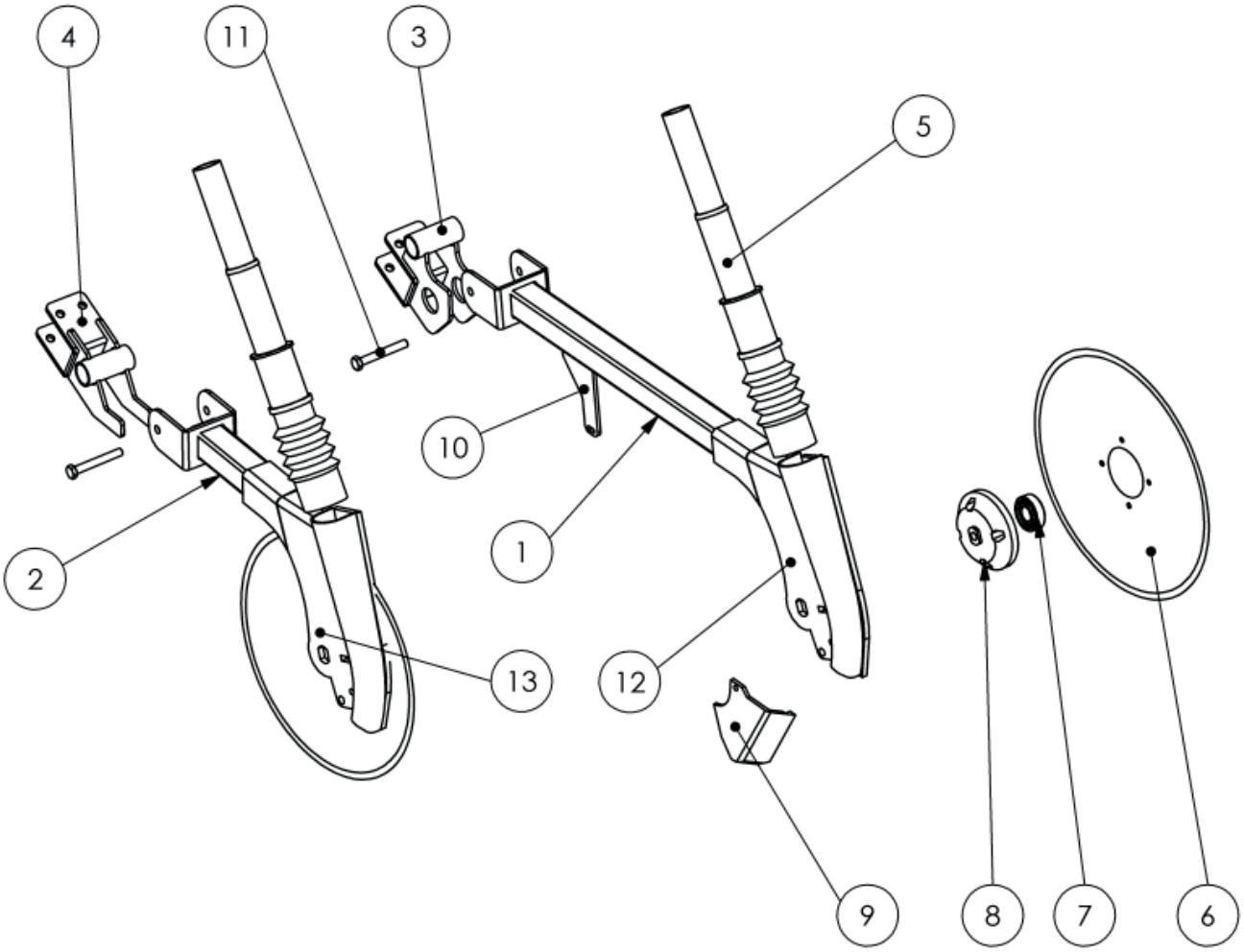

| MARKER SET | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-MRK-001 | Marker Body | 2 | |
| 2 | LN-MRK-002 | Marker Profile | 2 | |
| 3 | LN-MRK-003 | Marker Disc Connection Apparatus | 2 | |
| 4 | LN-MRK-004 | Disc Shaft | 2 | |
| 5 | LN-MRK-005 | Marker Disc | 2 | |
| 6 | LN-MRK-006 | Marker Disc Screws | 8 | |
| 7 | LN-MRK-007 | Marker Piston | 2 | |
| 8 | LN-MRK-008 | Marker Tension Spring | 2 | |
| 9 | LN-MRK-009 | Marker Piston Pin | 2 | |
| 10 | LN-MRK-010 | Spring Pin | 2 | LINA-MRK-2019 |
| 11 | LN-MRK-011 | Fixing Bolts | 2 | |
| 12 | LN-MRK-012 | Piston Profile Connection | 2 | |
| 13 | LN-MRK-013 | Spring Connection | 2 | |
| 14 | LN-MRK-014 | Chassis Bolts | 6 | |
| 15 | LN-MRK-015 | Chassis Nuts | 6 | |
| 16 | LN-MRK-016 | Piston Bolt | 2 | |
| 17 | LN-MRK-017 | Marker Hub | 2 | |
| 18 | LN-MRK-018 | Marker Hub Bearing | 2 | |




| TWIN DISC Tine | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-TD-001 | Twin Disc Tine Body | 1 | |
| 2 | LN-TD-002 | Twin Disc Cap | 1 | |
| 3 | LN-TD-003 | Sowing Disc | 2 | |
| 4 | LN-TD-004 | Disc Hub | 2 | |
| 5 | LN-TD-005 | Disc Scraper | 2 | |
| 6 | LN-TD-006 | Disc Hub Washer | 2 | |
| 7 | LN-TD-007 | Disc Bolts (m6 bolt) | 12 | |
| 8 | LN-TD-008 | Cap Clamp | 1 | |
| 9 | LN-TD-009 | Clam Nut (m10 nut) | 2 | |
| 10 | LN-TD-010 | Spring Tension Screw | 1 | |
| 11 | LN-TD-011 | Cap Tension Spring | 1 | |
| 12 | LN-TD-012 | Telescope Pipe | 1 | LINA-TD-2019 |
| 13 | LN-TD-013 | Telescope Pipe Clamp | 2 | |
| 14 | LN-TD-014 | Cap Screw | 1 | |
| 15 | LN-TD-015 | Pressure Adjusting Pin | 1 | |
| 16 | LN-TD-101 | Pressure Wheel Bolts (m6) | 12 | |
| 17 | LN-TD-016 | Disc Center Scraper | 1 | |
| 18 | LN-TD-101 | Pressure Wheel Sheet Bar | 2 | |
| 19 | LN-TD-102 | Pressure Wheel Center Scraper | 1 | |
| 20 | LN-TD-103 | Pressure Wheel Shaft | 1 | |
| 21 | LN-TD-104 | Pressure Wheel Side Cover | 2 | |
| 22 | LN-TD-105 | Pressure Wheel Tire | 1 | |
| 23 | LN-TD-012 | Telescope Pipe | 2 | |
| 24 | LN-TD-107 | Pressure Wheel Bearing (6004) | 2 | |




| HARROW Tine | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-HT-001 | Harrow Tine Cap | 1 | |
| 2 | LN-HT-002 | Pressure Spring Bowl | 1 | |
| 3 | LN-HT-003 | Pin | 1 | |
| 4 | LN-HT-004 | Scraper Plate | 1 | |
| 5 | LN-HT-005 | Harrow Tine Body | 1 | |
| 6 | LN-HT-006 | Harrow Seed Falling Chamber | 1 | LINA-HT-2019 |
| 7 | LN-HT-007 | Pedestrian Fork | 1 | |
| 8 | LN-HT-008 | Washer | 1 | |
| 9 | LN-HT-009 | Nut | 1 | |
| 10 | LN-HT-010 | U Clamp | 1 | |
| 11 | LN-HT-011 | Harrow Tine Spring Hose | 1 | |




| SINGLE DISC Tine | | | | |
|---|---|---|---|---|
| **PART NO** | **PART CODE** | **PART NAME** | **AMOUNT** | |
| 1 | LN-SD-001 | Single Disc Long Tine | 1 | |
| 2 | LN-SD-101 | Single Disc Short Tine | 1 | |
| 3 | LN-SD-002 | Long Tine Cap | 1 | |
| 4 | LN-SD-102 | Short Tine Cap | 1 | |
| 5 | LN-TD-012 | Telescope Pipe | 1 | |
| 6 | LN-SD-003 | Disc | 1 | |
| 7 | LN-SD-004 | Disc Bearing (6204) | 1 | LINA-SD-2019 |
| 8 | LN-SD-005 | Bearing Cone | 1 | |
| 9 | LN-SD-006 | Disc Facing | 1 | |
| 10 | LN-SD-007 | Spring Tension Connection | 1 | |
| 11 | LN-SD-008 | Cap Bolt (m10x75) | 1 | |
| 12 | LN-SD-009 | Long Led Body | 1 | |
| 13 | LN-SD-103 | Short Tine Body | 1 | |

## LINA SINGLE

| TECHNICAL SPECIFICATION | Unit. | MODEL | | | | | |
|---|---|---|---|---|---|---|---|
| | | LINA SINGLE 19 | LINA SINGLE 23 | LINA SINGLE 27 | LINA SINGLE 31 | LINA SINGLE 39 | LINA SINGLE 47 |
| Number of Tines | pcs | 19 | 23 | 27 | 31 | 39 | 47 |
| Working Width | mm | 2500 | 3000 | 3500 | 4000 | 5000 | 6000 |
| Row Distance | lt. | 13 | 13 | 13 | 13 | 13 | 13 |
| Seed Capacity | lt. | 460 | 550 | 640 | 730 | 870 | 990 |
| Fertilizer Capacity | lt. | 305 | 370 | 400 | 425 | 525 | 600 |
| Capacity without Fertilizer | lt. | 750 | 950 | 1150 | 1350 | 1550 | 1750 |
| Width | cm | 275 | 325 | 375 | 425 | 525 | 625 |
| Height | cm | 150 | 150 | 150 | 150 | 150 | 150 |
| Weight | kg | 900 | 1050 | 1230 | 1390 | 1690 | 1900 |
| Tyre Size | inch | 600/16 | 600/16 | 600/16 | 600/16 | 600/16 | 600/16 |
| Required Power | hp | 70+ | 80+ | 100+ | 110+ | 120+ | 130+ |

## LINA TWIN

| TECHNICAL SPECIFICATION | Unit | MODEL | | | | | |
|---|---|---|---|---|---|---|---|
| | | LINA TWIN 19 | LINA TWIN 23 | LINA TWIN 27 | LINA TWIN 31 | LINA TWIN 39 | LINA TWIN 47 |
| Number of Tines | pcs | 19 | 23 | 27 | 31 | 39 | 47 |
| Working Width | mm | 2500 | 3000 | 3500 | 4000 | 5000 | 6000 |
| Row Distance | cm | 13 | 13 | 13 | 13 | 13 | 13 |
| Seed Capacity | lt | 460 | 550 | 640 | 730 | 870 | 990 |
| Fertilizer Capacity | lt | 305 | 370 | 400 | 425 | 525 | 600 |
| Capacity Without Fertilizer | lt | 750 | 950 | 1150 | 1350 | 1340 | 1550 |
| Width | cm | 275 | 325 | 375 | 425 | 525 | 625 |
| Height | cm | 150 | 150 | 150 | 150 | 150 | 150 |
| Weight | kg | 1010 | 1190 | 1380 | 1530 | 1850 | 2100 |
| Tyre Size | inch | 600/16 | 600/16 | 600/16 | 600/16 | 600/16 | 600/16 |
| Required Power | hp | 70+ | 80+ | 100+ | 110+ | 120+ | 130+ |

## LINA HARROW

| TECHNICAL SPECIFICATION | Unit | MODEL | | | |
|---|---|---|---|---|---|
| | | LINA HARROW 21 | LINA HARROW 25 | LINA HARROW 29 | LINA HARROW 33 |
| Number of Tines | pcs | 21 | 25 | 29 | 33 |
| Working Width | mm | 2500 | 3000 | 3500 | 4000 |
| Row Distance | cm | 12 | 12 | 12 | 12 |
| Seed Capacity | lt | 460 | 550 | 640 | 730 |
| Fertilizer Capacity | lt | 305 | 370 | 400 | 425 |
| Capacity Without Fertilizer | lt | 750 | 950 | 1150 | 1350 |
| Width | cm | 275 | 325 | 375 | 425 |
| Height | cm | 150 | 150 | 150 | 150 |
| Weight | Kg | 900 | 1050 | 1230 | 1390 |
| Tyre Size | inch | 600/16 | 600/16 | 600/16 | 600/16 |
| Required Power | hp | 70+ | 80+ | 100+ | 110+ |

| TECHNICAL SPECIFICATION | Unit | MODEL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | LINA COULTER 16 | LINA COULTER 18 | LINA COULTER 20 | LINA COULTER 22 | LINA COULTER 24 | LINA COULTER 28 | LINA COULTER 32 |
| Number of Tines (Pcs) | pcs | 16 | 18 | 20 | 22 | 24 | 28 | 32 |
| Working Width | mm | 2000 mm | 2250 mm | 2500 mm | 2750 mm | 3000 mm | 3500 mm | 4000 mm |
| Row Distance | lt. | 125 mm | 125 mm | 125 mm | 125 mm | 125 mm | 125 mm | 125 mm |
| Seed Capacity | lt. | 260 lt | 300 lt | 340 lt | 360 lt | 400 lt | 440 lt | 465 lt |
| Fertilizer Capacity | lt. | 240 lt | 270 lt | 305 lt | 340 lt | 370 lt | 400 lt | 425 lt |
| Capacity Without Fertilizer | lt. | 520 lt | 585 lt | 650 lt | 715 lt | 785 lt | 945 lt | 1020 lt |
| Width | cm | 2235 mm | 2485 mm | 2735 mm | 2985 mm | 3135 mm | 3735 mm | 4235 mm |
| Height | cm | 1500 mm | 1500 mm | 1500 mm | 1500 mm | 1500 mm | 1500 mm | 1500 mm |
| Weight | kg | 720 kg | 750 kg | 770 kg | 790 kg | 815 kg | 1050 kg | 1150 kg |
| Tyre Size | inch | 500-12 | 500-12 | 500-12 | 600-16 | 600-16 | 600-16 | 600-16 |
| Required Power | hp | 40-50 hp | 50-60 hp | 60-70 hp | 70-80 hp | 80-90 hp | 100-110 hp | 110-120 hp |

AGROLEAD

WE BUILD PROFESSIONALS

Fevzi Çakmak Mh. Medcezir Caddesi
No:10/113 Karatay-Konya / TURKEY
+90 332 503 10 47
info@agrolead.com.tr
www.agrolead.com