



THRASHER

USER GUIDE



ALPLER

ATTENTION



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

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WARNING SIGNS & MEANINGS



READ MANUAL FIRST

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



KEEP CHILDREN AWAY

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



CAUTION

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

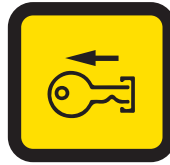


Keep away at a safe distance.



WARNING

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



Stop the motor before maintenance or repair, and remove the contact key.



Getting hand or arm caught in belt



For best technical service, please refer to the technical handbook



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



Getting the whole body caught in.



Keep away from the PTO joint area while the motor is running.



Keep away from the draw connection lifting mechanism while the movement transition spindles are working.



Wait for the machinery parts to stop completely before touching.



PTO Revolution

1. INTRODUCTION

Dear Farmer,

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

All of "ALPLER" products are designed for the most efficient and the safest use and tested accordingly in cooperation with the relevant university departments, agricultural establishments and farmers. We request you to read the user manual before the first operation in order to use our product in a more effective manner as well as for product and your own safety. The failures that may result from using the product beyond the instructions for use specified in this manual are not covered by "ALPLER" warranty.

"ALPLER" products are manufactured for agricultural utilisation purposes only, and our company does not assume any liability against the conditions arising from misuse. Maintenance, repair and operation of our products must be carried out by those who were informed on the relevant and possible dangers.

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

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



CAUTION

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

2. SAFETY RULES

2.1 GENERAL WARNINGS



The machineries are produced in a way that they can be setup in fields in a short time. They should be operated, maintained and adjusted in accordance with the handbook, and the parts should be exchanged for the spare parts listed in the spare part list. The machineries should be operated by who can read the instructions, is over 18, has not taken alcohol or drugs and is not tired.



Pay attention that there should not be any one or animals except the authorized personnel around the machinery while it is working.



Do not come close to the working parts of the machinery, and not place or forget any material under or on them.



Only the necessary tools must be used.



Smoking at the threshing area or while the machinery is working, may cause fire.

2.2 WARNINGS PERTAINING TO CHECKS



If the tractor is running, while PTO shaft is stopping, do not interfere the machinery before securing completely the stopping the motor.

2.3 WARNINGS PERTAINING TO THE MECHANICAL PROBLEMS



- In order not the metal parts on the machinery to cause mechanical accidents due to the fatigue, renew the parts in accordance with the periods in the maintenance instructions.
- The parts should be replaced with the original ones.

2. SAFETY RULES

2.4 WARNINGS PERTAINING TO THE PROTECTION PARTS



The protection parts on the machinery protect the user and the other workers against the risks to be caused by the moving parts. They should be in their original places, and be firm.

2.5 WARNINGS PERTAINING TO MAINTENANCE AND REPAIR



The maintenances and repairs on the machinery should be performed by authorized personnel.



After the maintenance, the material and the tools used should not be left on the machinery, and the grease, etc. should be cleaned.



Adjustment, maintenance and cleaning of the machinery should be carried out after the machine is stopped completely.

2.6 WARNINGS PERTAINING TO THE PERSONAL PROTECTIVE EQUIPMENT



Protective glove, helmet, shoes and dust mask should be used during the operating, adjustment and maintenance of the machinery.

3. SETTINGS

3.1 GENERAL INFORMATION ABOUT THE MACHINERY

- a) The machinery is manufactured in a style that it can be setup in the threshing area in a short time.
- b) It can be used with a tractor at least 40 HP.
- c) It has 2 years of maintenance guarantee for the manufacturing faults.
- d) Balances of the blade and revolving parts have been carried out on sensitively.
- e) Its output capacity is between 1300 — 1600 kglh.
- f) The fan blowers are made of sheet iron.
- g) No spare parts are given with the sale of the machinery.
- h) You can keep your hand y tools in tools box on the machine and it is recommended to lock the box.



Figure 1



Figure 1

3.2 TECHNICAL SPECIFICATIONS

General Specifications	
Length	400 cm
Width	220 cm
Height	235 cm
Weight	1475 kg

Pulley	
Quantity	2
Diameter	62 cm
Width	9 cm

Main Sieve	
Type	Round shape, hole type
Hole Diameter	16 mm (wheat-barley)
Between Two Holes	10 mm

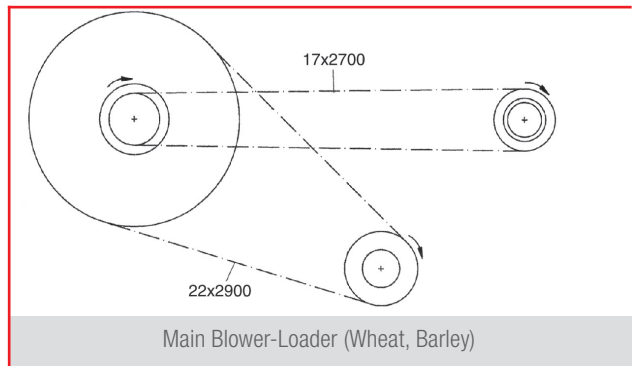
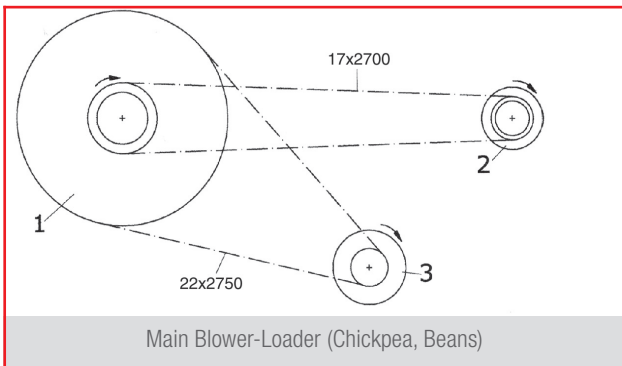
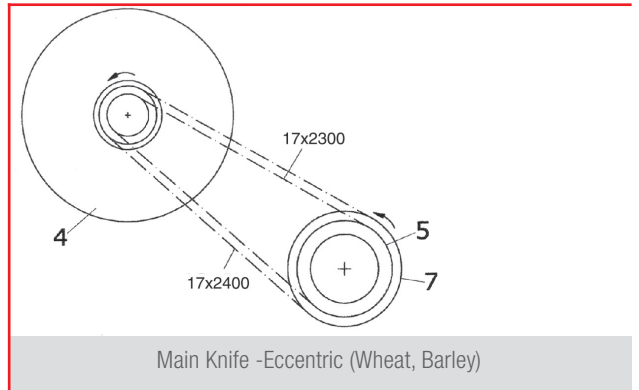
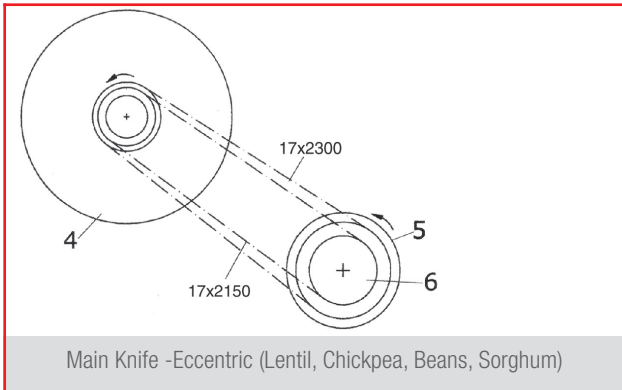
Main Knife	
Diameter	78 cm
Length	112 cm
Finger Quantity	44
Material	60x10

Conveyance Order	
Type	Single axle
Track Width	152 cm
Tyre Size	600 x 16

3. SETTINGS

3.3 PULLEY TABLE

No	Item Code	Item Description	Quantity
1	45104	Volant with 4 V	1
2	44302	Cone Pulley	1
2,1	45126	Aspirator belt 17 x 2700	2
3	43113	Filler Pulley	1
3,1	43118	Filler chickpea belt 22 x 2750W	1
3,2	43119	Filler wheat belt 22 x 2900	1
4	45108	Pulle y With Shaft	1
5	47316	Eccentric Pulley	1
5,1	45125	Sieve pulle y 17 x 2300	1
6	47312	Eccontric Lentil Pulle y With Shaft	1
6,1	45128	Lentil belt with shaft 17 x 2150	5
7	47305	Eccontric Wheat Pulle y With Shaft	1
7,1	45127	Wheat belt with shaft 17 x 2400	5



3. SETTINGS

3.4 SIEVE TABLE

LENTIL (chickpea, beans, sorghum) THRESHES

Human labour is minimized.

Its LENTIL capacity is 1000-1600 kg per hour (it depends on region and climate).

Furthermore, you can thresh chickpea, beans, kidney beans and sorghum by changing related items of lentil machinery.



!!! Do not use for anything except for products that is written in the table.

<i>Sieve Table</i>		
<i>Product</i>	<i>Main Sieve</i>	<i>Front-Sieve</i>
<i>Wheat</i>	<i>Ø15 - Ø17</i>	<i>Ø6</i>
<i>Barley</i>	<i>Ø15</i>	<i>Ø8</i>
<i>Lentil</i>	<i>Oval</i>	<i>Ø5- Ø5,5</i>
<i>Chickpea</i>	<i>Ø16- Ø18</i>	<i>Ø13</i>
<i>Beans-Broad beans</i>	<i>Ø35- Ø45</i>	<i>Ø15- Ø26</i>
<i>Sorghum</i>	<i>Ø20</i>	<i>Ø5,5- Ø7</i>

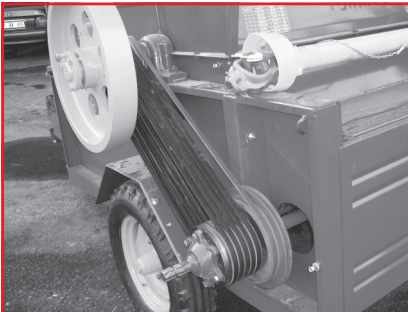


Figure 3



Figure 4

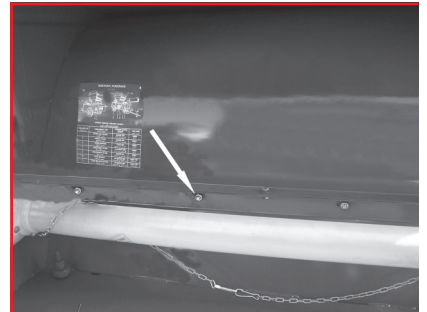


Figure 5

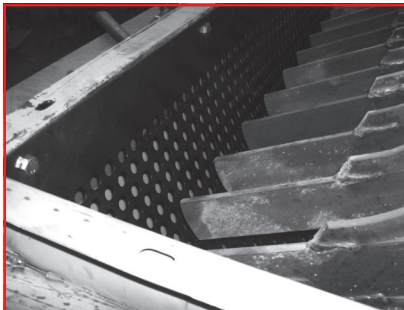


Figure 6

3. SETTINGS

3.5 USER INSTRUCTIONS OF THRESHER

1. Check whether bolts, nuts and connections are tight enough after two hours from initial operating.
2. Do its daily maintenance and conform to lubrication instructions before each operating.
3. Check whether there is alien substance in the bator before each operating.
4. In order to be productive, thresh only when stem is completely dry.
5. Install machinery on the smooth surface. Provide verification of plumb line
6. Do not start threshing before machine reaches necessary revolution.
7. Person, who feeds stem, should be experienced and he/she should provide that stem are fed at regular intervals and equal quantities to the machinery
8. When crops have poor seed, lower one number from front sieve at both sides so that seeds do not mix into straw.
9. At machinery, that has bagging apparatus, apply point 7 above so that operating cycle is not lowered.
10. At different crops threshing; use belts and sieves properly in accordance with their tables.
11. Stop machine and tractor when maintenance and controls are needed.
12. In the case of machinery transfer, drive max. 20 km/h speed.
13. Ensure that all enclosures are attached safely (including shaft enclosure) during operation. Do not use when they are disassembled.
14. Do not throw stem by getting above machine or at higher than bator level.
15. Do not allow any person to get on the operating machinery and to be present at surroundings of machinery except for employee.
16. Do not stand near to rotating parts.
17. Conform to safety rules that are in the booklet and to written or graphically rules that are on the machinery.



Figure 7



Figure 8

Figure 9

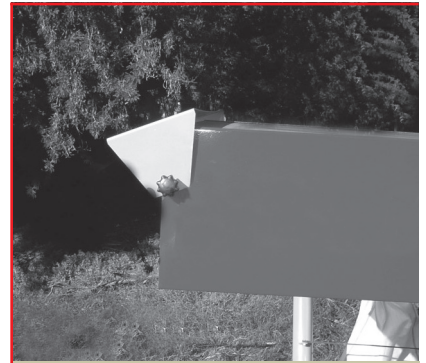


Figure 10

a) Connecting the machinery to tractor and dismantling

Come back towards pole draw of parking machinery while tractor hanger arms are lifting to final height. The machine that is fixed by pernod pin to arrow draw of tractor is made safe by spring pin. It is transported to area where threshing will be done (Figure 7).

b) Traveling

Tractor is separated from its draw in assistance with screwed lifting jack on the arrow and is provided that it installs at the selected threshing area appropriate with plumb line adjustments (Figure 8 - 9).

c) Operation position

Do not install your machinery opposite to wind direction. Machinery should not be leaning to right or left sides. It installs sloping to draw arrow side; in any manner under of wheels should not be dig. Air of tyres should not be lowered. Conform to plumb line (balancing) on the machinery (Figure 9 - 10).

3. SETTINGS

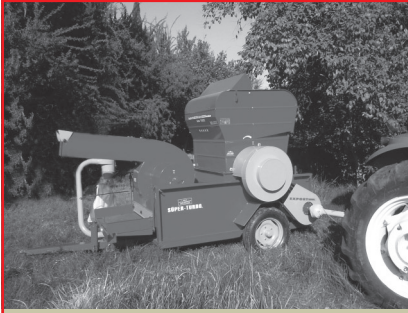


Figure 11

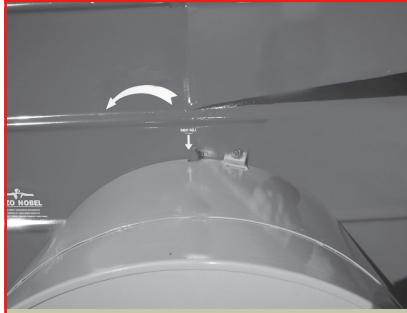


Figure 12



Figure 13

d) Connection of the power (shaft-hydraulics)
Machine power takeoff came across tractor power takeoff and they are parked perpendicular position and power transmission is provided by inter shaft that is mounted to tractor power takeoff (Figure 11).

After thresher is installed simply, it operates on arrow direction (Figure 12).

Pay attention ensure that shaft pins put into place and shaft is open maximum 25-30 cm from shortest position. Chains should be connected appropriate places for preventing plastic enclosure rotation while shaft is rotating (Figure 13).



Figure 14

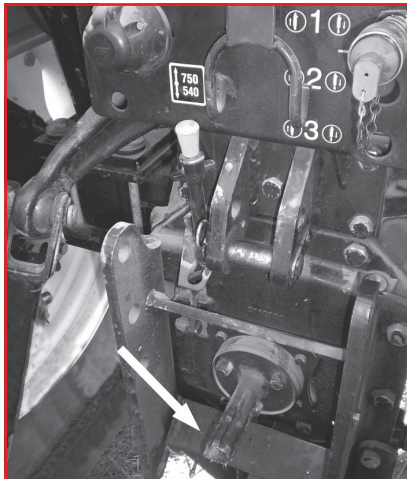


Figure 15

e) Last checks before operating

Make sure that all nuts and belts are securely tightened (Figure 3-5).

f) Operation

Crop quality, work yield and machinery efficiency are established in accordance with POWER TAKEOFF CYCLE. Dependent on motor cycle at excess turnings bator starts to break seed as well as it is seen that seeds slip into straw. At slow turnings crops exit dirty and insufficient pounded. Tractor accelerator adjust is adjusted related to crop specification as following manner. Tractor accelerator adjust is selected between 16 to 19 (1600-1900) until power takeoff is 540 cycle (Figure 15).

3. SETTINGS

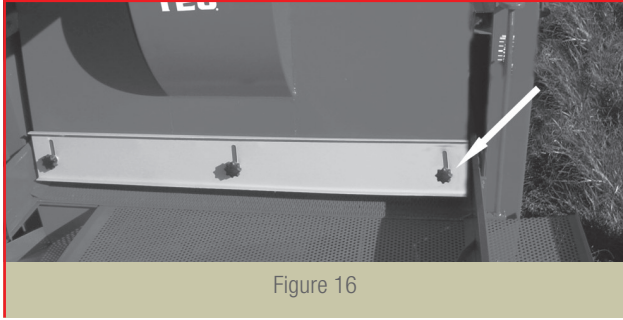


Figure 16

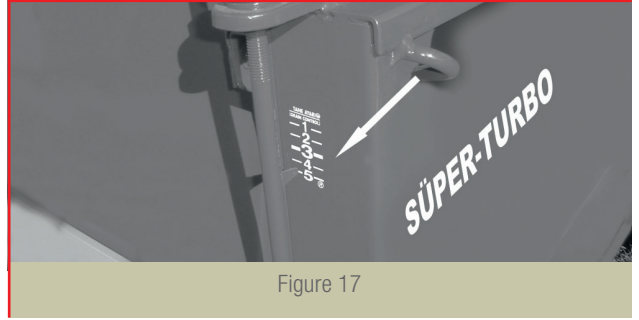


Figure 17

g) What to do while operating

Feed stem in to machine continuously and without forcing tractor. If excess and unexpected loadings are done, sieve can be clogged, stalks can not pound well, tractor is forced and fuel consumption is increased. Do not lower motor cycles or not shutoff motor until work is completed with machinery. Otherwise it does not make sufficient cleaning (Figure 15).

Alien chips which stuck into slim dust sieve under aspirator, should be periodically cleaned from upper and lower sides with wood piece to prevent clogging. Safety, maintenance and appropriate adjustments will constitute basis of achievement.

At seed losses from aspirators, losses should be stopped by aspirator and sieve intervals are lowering from pre sieve arms for each side one number (Figure 17).

h) Shutoff (including interval shutoffs)

While machinery is shutoff, after tractor power takeoff gear lever is thrown out the clutch, shutoff is expected by decreasing accelerator.

If without throwing out the clutch, accelerator is decreased cycle power at the volant can leads to distortion and breaking at power takeoff and tractor transfer organ (Figure 15).

i) What to do after the operating and parking

After operating overall cleaning of machinery is done, is purified from dust and waste items, annual maintenance is made, machine must be kept in place away from external factors for new season.

3.6 LUBRICATAION TABLE AND GRAPHICS

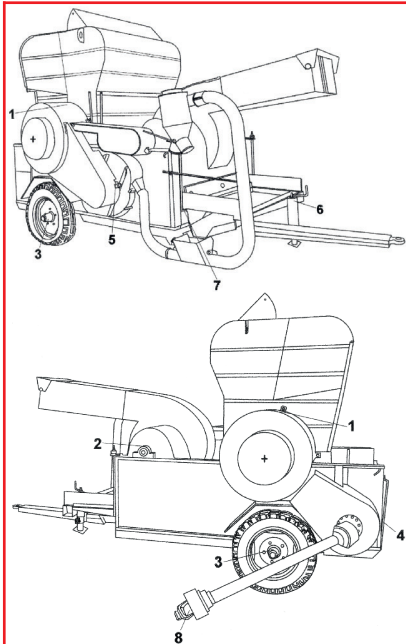


Figure 18

No	Lubrication Place	Lubrication Time Interval	Lubricant Type
1	Main knife shaft bearing	Once a day	Grease
2	Bellow bearing	Once a day	Grease
3	Wheel forya	Once a year	Grease
4	Eccentric bearing	Every two days	Grease
5	Filler bearing	Twice a day	Grease
6	Foot jacks	Every two days	Fine lubricant
7	Sieve librations ear	Every two days	Fine lubricant
8	Shaft cruciform	Once a day	Grease

4. TROUBLE SHOOTING

Problem	Cause / Solution	Page and Figure Number
No power transmission	Control tractor. Recover or replace broken and extent failures of belts.	Page 8 / Figure 3
Straw is coming on the machinery	Check wind direction. Turn machinery into wind direction.	Page 9 / Figure 10
Over heating	Check lubrication, check bearing.	Page 11 / Figure 18
Hay mixes to grain	Aspirator pre-adjust pitch reduced lower up to seed cleaning adjust.	Page 11 / Figure 16
Grain breakage	Tractor motor cycle should not be too much (540 d/min). Bator reservoir should not be empty.	Page 8 / Figure 6 Page 10 / Figure 15
Grain mixes to hay	Tractor motor cycle should not be too much (540 d/min). Sieve bellows intervals should be adjusted from front side arms.	Page 10 / Figure 15 Page 11 / Figure 17
Sieve clogging	Stalk and alien substances (stone, grass) should not enter into machinery. Should not put too much stalk into machinery.	Page 8 / Figure 6
Tractor forced	Selection of tractor that has appropriate power. Should not put too much stalk into machinery.	Page 10 / Figure 15
Mixed out put	Tractor accelerator adjust should be selected properly and excess stalk should not be given. (540d/min) 16-19 accelerator.	Page 10 / Figure 15
At bottom sieve, pounded mixture of hay and grain excessive flow thickness or thinness	Plumb line adjustments are adjusted properly and tractor accelerator adjust should be controlled. (540 d/min) 16-19 accelerator.	Page 9 / Figure 9 Page 10 / Figure 15 Page 11 / Figure 17
Knife fingers bent	Steel items such as harrow, pitchfork or stone should not enter into bator section.	Page 8 / Figure 6
Shaft cruciform failure	Shaft should not pass through impulse or antiknock speed while there is power transmission from tractor to machinery. Check tractor power takeoff clutch.	Page 10 / Figure 15

5. WARRANTY

While you are using your machinery, failures that you have done, against manufacturer errors, your machinery is under maintenance warranty by our company for **TWO YEARS**. Failures, which will exist because of usage errors that can be except usage forms that are determined in Handbook, are out of warranty.

Final user has no authority for attaching or repairing any part of machinery. In conditions related to failures, should apply to authorized service. Failure that are resulted by user error, are out of warranty.

Original spare parts should be used on machinery; otherwise it will be out of warranty. Interferences except for authorized services are out of warranty. In order to continue the warranty original spare part should be mounted by personnel of authorized service.

Required controls of machinery are clogging of dust sieve of aspirator bottom, heat controls of all bearing bearings (melting of grease lubricant), sound control of bearing, loosen problems of belts and reviewing of air of tyres. Machinery user should take into account safety rules besides importance of maintenance. Control whether there are alien substances in places such as bottom sieve, aspirator, tightness of screw and nut and clogging of bator sieve at work end intervals .

Machinery user should carry grease and fine lubricant can as well as for safety fire extinguisher, hand tools and assembly tools together with him.

WARRANTY CERTIFICATE

Warranted by ALPLER for a period of two years

BRAND: ALPLER

PRODUCT TYPE:

MODEL:

SERIAL NUMBER:

DATE OF PRODUCTION:

Seller's

Title:.....

Address:.....

Phone:.....

Fax:.....

Invoice Date:.....

Signature & Seal



Exports to 75 countries
on 5 continents.

 **ALPLER**

ALPLER AGRICULTURAL MACHINERY

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