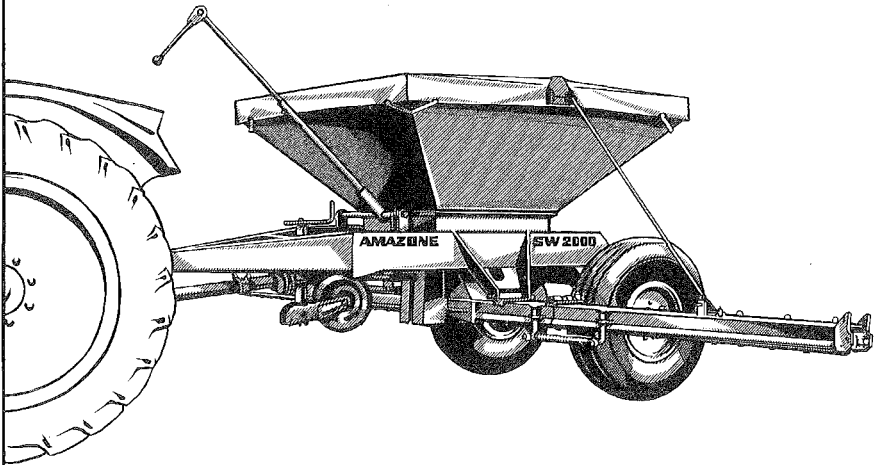


Swivelling auger distributor

AMAZONE SW 2000

Operating instructions



Please read these instructions carefully to ensure that you make the best possible use of your new AMAZONE.

You will of course realise that we will not be able to accept claims under guarantee if any damage is caused because of lack of care in operation.

AMAZONEN-WERKE H.DREYER



Factories in W.-Germany:

D-4507 Hasbergen-Gaste

Tel.: Hasbergen (0 54 05) *6 43 (*10 43)

Telex: 09 4 801

D-2872 Hude (Oldbg.)

Tel.: Hude (0 44 08) *10 31

Telex: 02 51 010

Factory in France:

AMAZONE - Machines Agricoles S.A.

F-57602 FORBACH - Rue de la Verrerie

Tel.: (87) *85 15 31 - Telex: 86 4 92

Factories for: Mineral-fertilizer spreaders, seed drills, reciprocating harrows, potato grading-machines, fertilizer silos, conveyors universal sprayers, fertilizer containers

A. Acceptance:

Upon receiving the machine check that no damage has been caused in transit and that no parts are missing. Claims must be made immediately to the carrier if compensation is to be paid. Also ensure that all parts listed in the consignment note or delivery note have been received.

B. Putting into operation:

1. Attach the swivelling auger distributor to the suspension coupling or to the hitch coupling so that the distributor frame is horizontal.

2. Fit the universal joint shaft. Check by holding together the two halves of the universal joint shaft whether on the one hand the profile tubes meet by at least 100 mm and whether on the other hand the profile tubes will not strike against the universal joint shaft when tight turns are made.

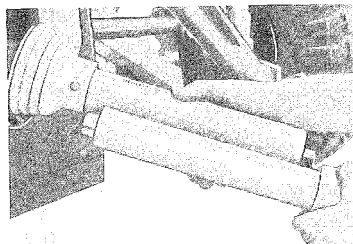


Fig. 1

3. Do not exceed the permissible load capacity (see type plate) when loading the auger distributor. Close the cover again after the filling has been completed.

4. After about 30 hours of operation check that all bolts are properly secured and retighten where necessary.

5. The supporting wheel is only used for parking the empty auger distributor. The filled machine should not be parked or moved on the supporting wheel. The relatively large wheels allow the machine to be moved while empty.

C. Setting the quantity of fertilizer:

1. The quantity of fertilizer is set at the two control plates (No. 1 and 2) at the rear of the distributor. The quantities given in the distribution chart are set with the thicker part (No. 3) of the locating pin. Use the thinner part (No. 4) of the location pin for setting intermediate quantities.

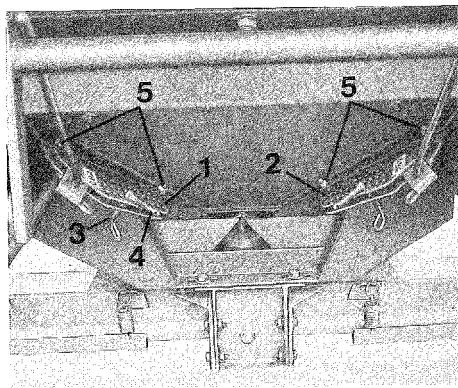


Fig. 2

2. The fertilizer is fed to the auger through two openings in the hopper, the size of which can be changed by 2 adjustable slides. If there is a considerable difference in quantity between the right-hand and the left-hand side as the fertilizer is spread, the size of the openings should be checked. A gauge can be supplied by the manufacturer for this purpose which must fit into the opening from inside the hopper with the slide set at A 3. Ensure that the right-hand opening has a some-

what larger setting than the left-hand one (approx. 2 mm). The size of the openings can be adjusted with the control plates (No. 1 and 2). To do this, loosen the bolts – No. 5).

3. When closing the slides with the control levers at the front of the hopper, switch off the universal joint shaft so that the distribution starts uniformly. If the two red levers (No. 7) coincide, the slides are closed.
4. If different types of fertilizer (e.g. Thomas slag and potash) are distributed at the same time, it will be sufficient if the different fertilizers are filled one by one. The fertilizer will be adequately mixed during the emptying process.
5. If the chain agitator unit is running erratically, this indicates that the distributor is empty.

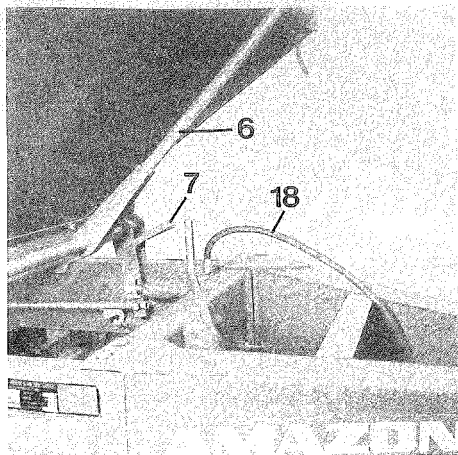


Fig. 3

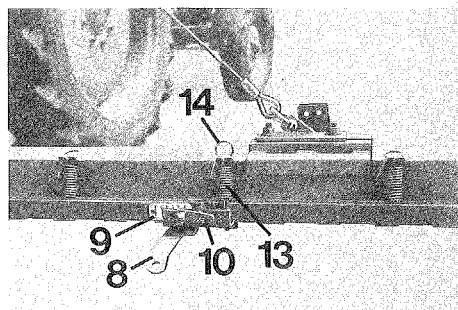


Fig. 4

D. The distributing auger:

The auger is designed to distribute powdery fertilizers. It must be set at the beginning of the spreading operation. The regulation must be such that the quantity of fertilizer set is distributed evenly across the entire working width. This is achieved by firstly letting the auger run full of fertilizer at the headland at the operating speed of the PTO shaft and with the distributing slides closed. Then move the 4 control levers (No. 8) on the auger distributor outwards to open the outlet holes.

The setting scales (No. 9) should have the same settings at all 4 levers (No. 8). After allowing the auger to run for a short period, check with the PTO shaft switched on whether the overflow at the ends of the auger is as much as the discharge from the holes. It may be necessary to make a readjustment. If the setting is correct, secure the levers (No. 8) with the thumb screws (No. 10).

If hitting obstacles, the side-beams of the distributor can fold up and back.



Fig. 5

After the spreading operation has been completed, the side-beams (No. 11) can be swivelled by hand into the transportation position. It is not necessary to change the selected setting. All the parts of the auger distributor are easily accessible and thus easy to clean. The distribution trays (No. 12) can be easily and quickly folded back under the machine and removed by unhooking the springs (No. 13) with the rings (No. 14). We advise you to clean the trays (No. 12) and the augers (No. 15) with a powerful water jet after each spreading operation. In the case of aggressive types of fertilizer, the slides (No. 16) also should be removed from the slide guides (No. 17) for cleaning. This is done very simply by removing the setting levers (No. 8) after unscrewing the thumb screws (No. 10). Since the gearbox is of the oil-bath type (1 l gear oil SAE 90), no lubrication of the auger is necessary.

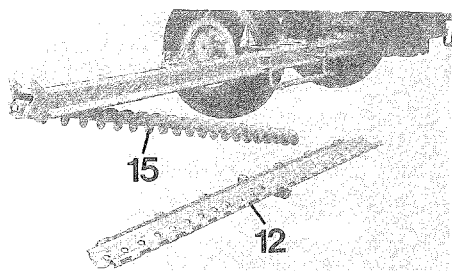


Fig. 6

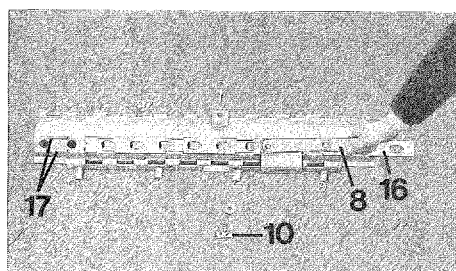


Fig. 7

E. Care and maintenance:

1. The universal joint shaft and the main drive shaft of the swivelling auger distributor each have 2 lubricating nipples which must be lubricated after every 8 hours of operation.
2. With regard to the care of the roller chain, it is advisable when the machine is not required for use for a long period to remove the roller chain, to wash it in petrol or diesel oil and then immerse it in a thick oil. Do not oil the chain during operation.
3. The distributor must always be cleaned after use and particular care must be taken with the cleaning and degreasing of the outlet slides to ensure that they will always move smoothly.
4. Follow the points under section D for the maintenance of the auger.

F. Special equipment:

1. Hydraulic slide operation (No. 18). For this a hydraulic connection on the tractor is necessary.
2. Dust cover for the auger distributor. This is attached with hooks to the retaining brackets of the tray springs.

Distribution chart for the swivelling auger distributor

AMAZONE SW2000

Auger distributor with 6 m working width

Burned Lime						
PTO shaft: 540 r. p. m.						
km/h	6	8	10	12	14	
Fertilizer in kg/hectare quantity setting	A 2	600	450	360	300	257
	B 2	850	635	510	425	365
	C 2	1160	870	696	580	496
	A 3	1850	1390	1110	925	790
	B 3	2650	1990	1590	1325	1135
	C 3	3250	2440	1950	1625	1395
	A 4	3670	2750	2200	1835	1570
	B 4	4100	3080	2460	2050	1760
	C 4	4550	3420	2730	2275	1950
	A 5					
	B 5					
	C 5					
	A 6					
	B 6					
	C 6					

Lime Marl						
PTO shaft: 540 r. p. m.						
km/h	6	8	10	12	14	
Fertilizer in kg/hectare quantity setting	A 2					
	B 2	180	135	108	90	78
	C 2	260	195	156	130	110
	A 3	370	278	222	185	159
	B 3	520	390	312	260	223
	C 3	670	500	400	335	285
	A 4	850	638	510	425	365
	B 4	1080	810	650	540	460
	C 4	1360	1020	820	680	580
	A 5	1850	1390	1110	925	795
	B 5	2400	1800	1440	1200	1030
	C 5	2900	2175	1740	1450	1240
	A 6	3470	2600	2080	1735	1480
	B 6	4000	3000	2400	2000	1710
	C 6	4550	3400	2730	2275	1950

Thomas						
PTO shaft: 540 r. p. m.						
km/h	6	8	10	12	14	
Fertilizer in kg/hectare quantity setting	A 2	450	340	270	225	193
	B 2	630	460	368	315	270
	C 2	880	660	530	440	380
	A 3	1180	885	720	590	517
	B 3	1480	1115	880	740	630
	C 3	1780	1335	1070	890	765
	A 4	2160	1620	1300	1080	930
	B 4	2540	1900	1520	1270	1085
	C 4	2920	2190	1750	1460	1250
	A 5	3590	2685	2150	1795	1535
	B 5	4280	3200	2560	2140	1830
	C 5	4900	3680	2940	2450	2100
	A 6					
	B 6					
	C 6					

Thomas and Lime 2:1						
PTO shaft: 540 r. p. m.						
km/h	6	8	10	12	14	
Fertilizer in kg/hectare quantity setting	A 2	250	188	150	125	107
	B 2	380	285	227	190	162
	C 2	530	400	318	265	227
	A 3	800	600	480	400	330
	B 3	1120	840	670	560	480
	C 3	1460	1095	875	730	625
	A 4	1850	1385	1110	925	790
	B 4	2260	1700	1355	1130	970
	C 4	2680	2000	1605	1340	1150
	A 5	3100	2320	1860	1550	1330
	B 5	3520	2640	2110	1760	1505
	C 5	3960	2950	2360	1965	1680
	A 6	4350	3250	2600	2175	1860
	B 6	4750	3560	2850	2375	2030
	C 6	5160	3875	3100	2580	2210