



Original Instruction manual

Mulcher WISENT

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1. Introduction

This instruction manual is valid for the mulcher WISENT. It is made for the persons who work with this machine and gives you advices for the use, the adjusting and the operation of the mulcher WISENT.

Make this instruction manual available to all persons who work with the machine. Texts and pictures are kept neutral as far as possible. Attention is drawn to differences by means of picture headings or text notes.

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2. Content

Read this instruction manual carefully and completely before working with the mulcher. Follow the advice for the correct care and maintenance of your machine and you will achieve constant operational readiness and a long service life for your machine.

3. General remarks

3.1 Special attention

All people who would use, care or control the mulcher WISENT have to read, comprehend and pay attention to the instructions of this instruction manual to avoid danger.

Especially pay attention to the "Security and accident prevention instructions". The use of spare parts, accessories and additional devices which do not come original from HMF and are not checked and released from HMF, constructively given qualities of the HMF machine or her functional ability negatively change and thereby affect the active and/or passive safe driving as well as working security (accident protection), is not permitted.

For damages, in this respect by the use of Non-HMF-Original-Spare Parts, accessories and additional devices every liability is excluded from HMF.

Technical designations, measures and weights are non-binding. We reserve ourselves changes in the course of the technical development and mistakes. In front, behind, right and left is valid always in direction of the traffic.

3.2 Description of the type plate

The serial number of the machine, the type and the year of manufacture are stamped on the type plate. This type plate is normally located on the front right of the machine. Front, rear, right and left always apply in the direction of travel.

In the event of a spare parts order, please provide us with the following information:

1. Type
2. Year of manufacture
3. Serial number



When ordering spare parts, photos of the defective part or machine are often helpful. The following communication channels can be used for this purpose:

WhatsApp: +49 (0) 54 26 / 53 84
Email: sales@hmf-hermeler.de

4. Safety instructions

Please read and observe these operating instructions and the safety instructions before you start working with the machine.

Labelling of warnings and hazards

In these operating instructions we have marked all passages concerning your safety and the safety of the machine with the following symbols. Pass on all safety instructions to other users as well!



Danger!

Marking of instructions which, if not followed, pose a risk to the life and limb of the operator or his fellow human beings and measures to avoid the danger



Attention!

Marking of instructions which, if not followed, may cause damage to the machine and measures to avoid danger to the machine.



Note!

Marking of indications that enable a more effective and economical use of the machine



Environment!

Labelling of instructions which, if not followed, pose a risk to the environment.

There is an environmental hazard if environmentally hazardous substances (e.g. oils, foils, etc.) are not handled properly and/or disposed of.

The warning and information signs attached to the machine provide important information for safe operation. Observance of this information is for your own safety.

In general:

- a) Strictly follow warning signs and information signs!
- b) Pass on all safety instructions to other users as well!
- c) Keep warning signs and information signs in good condition, replace if necessary!

	Before commissioning, read the operating instructions and observe the safety instructions! For maintenance and repair work, switch off the engine and remove the ignition key.!
	When operating the power lift, do not stand in the lifting range stop! It is forbidden to stand between the tractor and the implement during operation.!
	Do not touch machine parts until they have come to a complete standstill. During operation and when the engine is running do not open or remove the guard. Never reach into the rotating parts. Do not stand near the rotating parts or touch moving machine parts! Wait until they have come to a complete standstill!



There is a risk of crushing!



Caution! Danger from ejecting parts when the machine is running.

Keep a safe distance!



Do not stay within the swivel range of the implements!

4.1. Safety and accident prevention regulations

1. In addition to the information in this instruction manual, observe the general safety and accident prevention regulations.
2. When using public traffic routes, observe the respective regulations!
3. Before starting work, familiarise yourself with all the actuating devices and their function before starting work. It is too late to do this while driving!
4. Before starting the engine, make sure that no gear is engaged and that all guards are in place and in protective position.
5. Before starting, check the immediate area (children!). Ensure sufficient visibility. Sound the horn for safety!
6. The rider's clothing should be tight-fitting. Loose clothing should be avoided!
7. When mounting and dismounting the machine, it is forbidden to stand between the tractor and the machine while the diesel engine is running, as danger of crushing.
8. When hitching and unhitching the hydraulic connections, switch off the tractor's diesel engine. Switch off the diesel engine of the tractor.
9. Only mount and dismount the mulcher on level, solid ground, and park it.

4.2. Notes on road safety

- The permissible axle loads of the tractor and the permissible tyre load capacity of the tractor must not be exceeded by the attachment of the mulcher.
- When hitching to the tractor's three-point linkage, the lower links must be locked according to the tractor manufacturer in order to prevent the tractor-implement combination from rocking during road travel.
- The requirements and instructions of the information sheet for attachments from the road traffic regulations must be observed.
- Before driving on public roads, especially after a field operation, it is necessary to prevent dirt or adhering soil from falling onto the roads. In the event of the road is contaminated with dirt or soil, the danger area must be marked and marked and cleaned immediately.

5. Before commissioning

To take full advantage of your new machine, please read and follow this instruction manual before using your machine. Before using the machine, check that it has been delivered complete. Remove the packaging carefully and completely. Familiarise yourself with the technical instruments. Lubricate all grease nipples and grease all moving parts with grease or oil. Please always observe the safety instructions. We must reject warranty claims resulting from improper handling!

6. Application

The mulcher may only be used as intended. The mulcher can be used to shred asparagus fern in one or more passes so that it can be worked into the soil.

With the combination of a front-mounted mulcher and a rear-mounted soil tillage implement (if the tractor is suitable), the shredded asparagus fern can be worked into the soil in a single pass.

7. Working and Setting

7.1 Working method

The WISENT mulcher has a shaft on which moving hammer flails rotate at very high speed. These break up the asparagus fern into tiny pieces. The high speed creates a suction effect, so that even bent and hanging asparagus leaves are reliably shredded. In addition, the "lifters" at the front of the machine ensure that fallen plants are lifted.

The shredded plant components are distributed directly on the ground and can be worked into the soil immediately (if the tractor is suitable) in a single pass (see point 6. Application). This results in optimum rotting and thus both an organic improvement in soil quality and less rusting of the asparagus in the following harvest year.

7.2 Mounting

- 1) Mount the mulcher to the 3-point link of the tractor.
- 2) Please adjust the length of the top link that way that the machine is hanging in its working position horizontally behind the tractor.
- 3) You have to fix the lower links in that way that while working on the field a tolerance of 1 cm on both sides is possible.
- 4) Now put on the PTO shaft. The minimum covering of the profile pipe may not be remained under 250 mm.
- 5) The guarding and protection installations of the PTO shaft has to be mounted and to be in good condition. Damaged parts have to be replaced immediately.

In case of mounting to the front-3-point link of the tractor, you have to mount the protection bow to your mulcher!

7.3 Setting

Before starting the adjustments you have to pay attention to the fact, that the mulcher has to hang horizontally behind or in front of the tractor and that the lower links are uniform in the length. The supporting wheels had to be adjusted in the way that the breaking hammers of the Mulcher can work above the soil, not into the soil. The two lifters should be above the soil, too.

Now you can start to work.

8. Notes on misuse of the machine

No persons may be carried on the machine.

9. Volume level

The mulcher itself does not generate any significant noise.
Noise is only emitted by the tractor.

10. Maintenance and care

- After the first 10 working hours you absolutely have to check the nuts at the wheels and – if necessary – tighten them again.
- The tire pressure has to be checked once a month. ($p = 2$ bar).
- Once a year you have to do an oil-change.
- You have to do the following maintenance and service workings for to reduce the obsolescence of the mulcher :

➤ Lubrication

- The regular intervals for lubrication and maintenance have to be absolutely respected.
- The lubrication points and the PTO shaft have to be lubricated every 20 hours of working.
- **While re-lubrication there might get some lubricant into the soil, the ground water or into the feed. Therefore we recommend on principle the using of biodegradable lubricants!**

➤ **Drive**

- The drive has to be checked of leakage and filling quantity after 20 hours of working.
- If necessary, fill up with gear oil SAE 85W140.
- **For using with a tractor of more than 120 HP, we recommend the use of „Carter SH 320“ high performance oil. You have to change the oil at least once per year!**

➤ **In case of longer breaks between using**

- Clean up the mulcher.
- Do the lubrication as described in this instruction manual.
- Spray with oil.
- Damages in the lacquer have to be repaired.