

Operators Manual

Hay Core Sampler



ENGLISH
DOCU-M0170

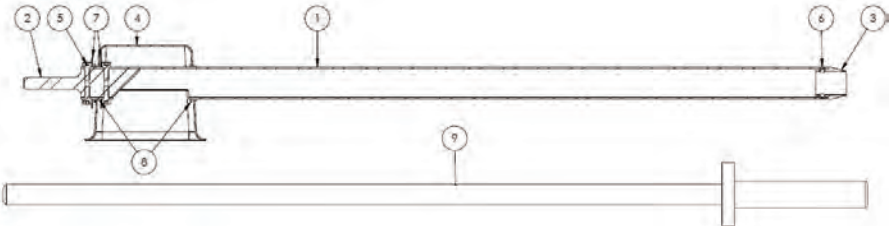
Box Contents and Parts

Thank you for choosing the Hay Core Sampler that is used to gather samples from Straw, Hay, or Silage bales in easy and convenient way. The Hay Core Sampler ensures fast and contamination-free sampling. Read this manual carefully to learn how to operate this unit correctly.

1. Hay Core Sampler
2. Manual
3. Parts explained



Parts



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ITEM NO.	DESCRIPTION	non-serrated/ QTY.
1	Tube	1
2	Drill Adapter	1
3	Cutting Tip	1
4	Steel Cup	1
5	DIN912 M4x10 bolt	4
6	DIN913 M4x4 bolt	2
7	DIN988 28x40x0.5 Shim disc	2
8	Plastic Bushing	2
9	Cleaning Rod	1

Use

Good probing principles

- Probe at random and Probe a lot
- Be careful not to contaminate the sample
- Preferred probing depth is about 10" – 20". Drill the Hay Core Sampler about halfway through, remove the sample from the tube (either in a bag or toss it away), drill as deep as possible from the same hole
- Take note if the tube heats up during sampling. Warm tube may decrease sample integrity (remove moisture from it for example)

Usage

Hay Core Sampler is meant to be operated with ½" or 3/8" battery drills or 120V corded electric drills. At least 18V cordless drill is recommended. (Fig.1)

Do not wear any loose clothing when using Hay Core Sampler. Be aware that the cutting tip is very sharp, especially when using the cleaning rod. Use the rubber tip cover to protect the user and the tip when not using the item.

Usage of protective goggles and hearing protection is recommended.

Attach the drill chuck to the Drill Adapter. Attach zip-lock bag onto steel cup and secure it with a rubber band. Steel cup is designed for 1 gallon zip lock bags but also bigger bags can be used.

Press the Hay Core Sampler against the bale to be sampled. With the help of your body weight, steadily press the Hay Core Sampler into the bale while drilling. Apply more power if necessary. High revolutions can cause the core sampler to heat up significantly which may affect the sample.

Exert the force through the drill for the best results.

After drilling a core sample, use cleaning rod to press the sample into the zip lock bag. Drill more samples if necessary. The sampling depth, bale material and bale density affect the amount of sample obtained from one hole.

After obtaining enough samples, remove the bag from the steel cup, press the excessive air out from the plastic bag and secure it tightly. Add necessary markings (date, bale, crop, name, number) and store it properly. [cool place with non-fluctuating temperature]

Warning

Keep fingers and hands away from moving/rotating parts while using the Hay Core Sampler. Picture (Fig.3) indicates area of rotation.



Fig. 3

Maintenance

Cleaning and Storage

After use clean the hay core sampler with a damp cloth and rub it dry. Store in dry place, preferably inside where the temperature stays above 32°F / 0°C and doesn't fluctuate much.

Maintenance – Sharpening

The most important factor of any kind of coring device is sharp cutting tip. Thanks to the non-serrated cutting tip, the blade of the tip is easy to sharpen with basic grinding stone. Try to maintain a 15°-20° degree cutting angle for optimal performance. (Fig. 2)

Tests have shown that Hay Core Sampler's cutting tip stays sharp for about 500 full depth core samples taken from dense round hay bale. You can also use drill to sharpen the cutting tip but use special care when sharpening the tip with the help of drill.



Fig. 1



Fig. 2

Service

Warranty

This product has a warranty valid for one (1) year from the date of purchase. The warranty covers the materials and workmanship. To claim the warranty, the customer should return the defected product to the Manufacturer at the customer's own expense.

The warranty claim must be accompanied with the description of the fault, copy of the sales receipt and customer's contact information. The manufacturer, Agratronix will repair or replace the defected product and return it as soon as possible.

The warranty does not cover any damages that are caused by incorrect or careless use of the product, installation that does not correspond to the provided instructions and other damages which may arise due to causes beyond the control of the manufacturer.

The liability of Agratronix is limited to the price of the product at a maximum. Agratronix does not accept any responsibility for any direct, indirect or consequential damages that are caused by the use of the product or the fact that the product could not be used.

Manufacturer's Contact Information

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