



The Aerworx Checklist

**THE AIM?
TO "SLOT & SHATTER" YOUR SOIL!**

AERWORX®

UNDERSTANDING HOW AERWORX WORKS.

Aerworx is designed so that:

Weight of the drum (+/-) water + speed of use = kinetic energy.

Kinetic energy is transferred through the spiral patterned 2-3 blades that are in contact with the ground at any one time to cause:

- a) **deep slots**
- b) **the soil to be shattered** - a soil loosening effect occurs leading to improved soil structure - biology - chemistry.



Aim to "Slot & Shatter"

To ensure that you get maximum benefit from using your Aerworx aerator please use the following check list:

Step 1 - Is the ground dry enough?

- Aerating when the ground is too soft will cause smearing, bring up soil and add to compaction! Ideally spade the ground before you use the aerator to look to see how dry it is.

Step 2 - Drive a single pass along one test strip

Step 3 - Check that you can see slots

- Are the blades penetrating the soil sufficiently?

Step 4 - Spade the ground after a single pass

- Are you getting enough soil shatter? It should be a more crumbly open structure, easier to break up with your hand, with smaller aggregates and more pore space.



Step 5 - if you have achieved "slot and shatter" aerate your land!

Trouble shooting:

1. Insufficient blade penetration/ insufficient shatter

If your ground is very compacted you may need:

- to **add more weight** to the machine by filling with more water
- are you going at **sufficient speed** to create the kinetic energy? We recommend 10-12kph depending on terrain/safety etc
- to perform a **second pass**
- If you have tried all of the above - do you have the **right size aerator** for your land / hp? We will advise on the size of the drum that you should be using as some soil types need the weight of e.g a filled 42" drum compared to 20" drum.



2. Smearing and soil being brought up to the surface

- Ensure that blades are sharp - an irregular coat of rusted metal or a clean painted blade can cause soil to stick to it. Run machine across land of little consequence to "clean off" the blades. Ensure machines are stored with blades resting on top of dry hard surface.
- It is likely that you are aerating when the ground is too wet. The harder the ground the better the soil loosening effect that can be achieved but if you are aerating in e.g. spring when the ground is still drying, we recommend reducing your speed and the weight of the drum (less water) in order to achieve the slotting effect to initially improve aeration and drainage. A repeat pass once the ground is harder will help to achieve the shatter effect at a later point. Over the years of using your machine, this should be less of an issue!

Please contact us if you would like to discuss the above or require some help deciding how and when is best to use your Aerworx - we're keen to help you get the best out of your machine.

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