

Metam 510® Rules – for Customers purchasing Metam 510® Service

The Metam 510® Rules form part of and are incorporated into the Boston Crop Sprayers Limited Standard Terms and Conditions (application of agrochemicals)

1 Definitions

All of the definitions contained in clause 1 of the Boston Crop Sprayers Limited Standard Terms and Conditions for Supply of Goods and Services (application of agrochemicals) are incorporated into the Metam 510® Rules as if they were set out in full.

2 Our Obligations

- 2.1 Any application of Metam 510® will only be made by Us as Certis approved contractors.
- 2.2 Our operators will follow the rules and guidance contained in the Metam 510 MAPP 09796 label, additional product safety information contained in the label and the Certis Material Safety Data Sheet for Metam 510®.
- 2.3 We will make available to You the Metam 510 MAPP 09796 label, additional product safety information contained in the label and the Certis Material Safety Data Sheet for Metam 510®.
- 2.4 We will transport Metam 510 Metam ® to the application site, apply it and remove any of Our empty and partially filled Metam 510® containers after application of Metam510®.

3 Your Obligations

- 3.1 As a part of Your obligations You shall:
 - a) Read and implement the Metam 510® Rules;
 - b) Read and adhere to the recommendations and rules contained in the Metam 510 MAPP 09796 label, additional product safety information contained in the label and the Certis Material Safety Data Sheet for Metam 510®.
 - c) Keep unprotected persons, livestock and pets out of the treated areas for at least 24 hours after treatment
- 3.2 Metam 510® produces fumes which are damaging to ALL plants, reacts violently with acids, is harmful by inhalation and if swallowed, contact with acid liberates toxic gas, causes burns and may cause sensitization by skin contact, is very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment and in combination with alcohol the harmful effect on humans is enhanced. You must follow the instructions on the Metam 510 MAPP 09796 label to prevent danger to man and the environment.
- 3.3 Your attention is drawn to clause 10.3 and clause 10.4 of the Boston Crop Sprayer Limited Standard Terms and Conditions (application of agrochemicals)

4 Pre-Treatment Preparation

- 4.1 You will need to prepare the soil before treatment with Metam 510®. Preparatory steps include:
 - a) Removal of all remaining plant tissue from the previous crop and other debris from the field – do not add organic matter to the soil pre-treatment
 - b) Ploughing of fields to bury any remaining debris or plant tissue to **at least 7.5cm beneath** the layer of soil to be treated with Metam 510®
 - c) Checking the moisture level of the field and irrigating ~~7 days~~ prior to application if necessary to achieve soil moisture levels between 60-70% of field capacity (i.e. ideal moisture for seed germination)
 - d) Working down of the **FULL** soil profile to produce a fine soil with open tilth, free from clods and crop residue
- 4.2 The soil temperature at 15cm depth should not be less than 10°C.

5 Post Treatment Care

- 5.1 Your post treatment care should include:
 - a) Cultivation of the soil 14 days after treatment and leaving the soil in a rough state for at least a further 21 days (if treatment is done in the autumn the gas should be kept in the soil for as long as possible and aerated in the spring for better results);
 - b) On soils with high organic matter content cultivations should take place at least twice as they will retain fumes longer;

- c) Avoidance of cultivation beneath the sterilised soil as this may lead to cross contamination;
- d) After a) above soil can be prepared for planting;
- e) **Planting – a time gap of no less than 8 weeks must be left between treatment and planting and seed germination test(s) must be carried out before planting**

6 Seed Germination Test

- 6.1 Planting of crop must not take place until the soil is free from sterilizing gas. Safety test(s) should be carried out using quick germinating seeds such as cress, as follows:
 - a) Half fill some jars with soil taken from the treated area. This should be representative of the whole area and to the depth of treatment. It is recommended to set up additional jars from an adjacent untreated area for comparison.
 - b) If residues are suspected (more likely in wet or heavy soils), it is advisable to sample from a deeper soil (but not below treatment depth)
 - c) Moisten the soil if necessary, sprinkle the seeds over the surface, seal tightly with a lid or piece of polythene film and elastic band and keep in a warm place.
- 6.2 Planting is safe if the cress germinates normally.
- 6.3 If germination does not occur or if distorted plant are produced, it is **unsafe** to plant and the following procedure should be used:

~~a) Raise the soil temperature~~

~~b) a) _____ Give a light watering if required~~

~~c) b) _____ Carry out further cultivations~~

~~d) c) _____ Repeat the test until a satisfactory result is achieved~~

July 2014