

WENGFU SUSTAIN - HOW SULPHUR IS RELEASED

Wengfu SuStain is a high quality sulphur bentonite pastille containing 90% elemental sulphur in a range of particle sizes, and 10% bentonite.

Wengfu SuStain is designed so that when the product comes into contact with water and sunlight, the wetting and drying cycle causes the pastilles to breakdown and release the elemental sulphur particles into the soil. Once in contact with the soil the elemental sulphur particles are colonised by bacteria which convert the elemental sulphur to plant-available sulphate form.

The elemental sulphur particles in the bentonite matrix range in size from less than 45 microns up to greater than 500 microns. The smaller the particle size, the faster the rate of oxidation from elemental sulphur to the plant-available sulphate form. The spread of particle sizes in Wengfu SuStain ensures that some of the sulphur is oxidised quickly so that there is some sulphate available to the plant very shortly after the product is spread onto soil or pasture, and some sulphur oxidises more slowly so that sulphate is made available to the plant over a longer period of time, matching the growth pattern and sulphur demand pattern of the plant.



SuStain in its natural state

AFTER 1 MINUTE

Wengfu SuStain breaks down quickly in the presence of water. After 1 minute the pastilles begin to disintegrate, releasing small particles of elemental sulphur. These sulphur particles are now available for oxidation to plant-available sulphate by soil-dwelling bacteria.



*SuStain exposed to water
for 1 minute*

AFTER 15 MINUTES

The absorption of moisture by the sulphur bentonite matrix is rapid and results in total breakdown of Wengfu SuStain within hours.



*SuStain exposed to water
for 15 minutes*





SuStain exposed to water for 30 minutes



SuStain exposed to water for 1 hour



SuStain exposed to water for 2 hours



SuStain exposed to water for 3 hours



SuStain exposed to water for 4 hours



SuStain exposed to water for 8 hours