



BENIGN TECHNOLOGIES INTRODUCE THE

DROUGHTTEX

RANGE OF PRODUCTS

Benign Technologies continues to commit its resources to develop and produce environmentally friendly, non-toxic products.

*With **DROUGHTTEX** soil technology again leading the field with its advanced group of products combating drought/water shortage and mild salinity to protect your crop and soil, Growers, Golf courses, Bowling greens, Turf, Commercial and Domestic gardens using **DROUGHTTEX** Ultra Soil experience a huge water saving, eliminating anaerobic layer, lawn beetle, with a lower evaporation rate, a warm damp atmosphere that is ideal for germination and plant growth and a reduced ground temperature in hot climates, with the added bonus of reducing plant stress, making healthier plants resulting in higher yields and a well conditioned healthy soil.*

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DROUGHTTEX

DROUGHTTEX Agrayield Liquid:- its presents in the market place is a result of research and developed with continuing field and in-house testing over the past 12 years, a formulation deriving of its Brother/Sister Product– Ultra Soil with similar benefits.

Agrayield has been specifically designed for the broad acre farmer that lives with the constant unsettling issues of today's climate change, drought with the threat of minimal result from their annual or seasonal crops.

Much like **Ultra-Soil**, **Agrayield** Is a restructured polymer base with the capability of only 3 litres per treated hectare to penetrate into the soil and retain water at a shallow level around 600 mm deep and beyond, once the product has been applied, mixed with water at 3 to 5 litres added to 50 litres p/htr, it will start and continue to capturing the night air and absorb moisture, with the next days warmth of the sun forming a resistance barrier to prevent evaporation, leaving the soil with a warm and damp environment for quicker germination and stronger plant growth.

Other benefits include:-

- * A cut back on gypsum and fertilizer or prevent over fertilization.
- * Application can be before or after seeding.
- * Crop yield is far higher as far as 87%
- * Seeding can be as late as Mid July (mid winter Western Australia)

Life span of **Agrayield** in the soil is around five to Eight months subject to rain, water and crop type, some trials have been seen as a benefit to a start to a summer crop also.

AGRAYIELD – Conditions soil to retain water, and hold it there, prevents leaching while controlling the plants individual water requirement.



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Full description & how it works:

AGRAYIELD – Is a blended restructured polymer, specifically designed for the broad acre farmer and grower with annual or seasonal shallow root crops, experiencing limited rain or water shortage, saving huge quantities of water, up to and in access of 90%. This environmentally benign non-surfactant liquid is a designed membrane combined with a natural trace element and a Ph of 7.5 Mixed (Scheme water), conditioning and acting as a replacement for the natural oils in the soil, which may have been washed through, away or diminished by over production or a poor soil, causing soil deterioration and/or erosion.

The soil environment that is created, allows the soil to breath, absorb moisture from cold air, rain, misting or a dramatic cut back in watering systems, at the same time restricting evaporation leaving a warm wet/damp base together with a huge reduction in ground temperature in hot climates, resulting in a stronger plant growth, higher yield and improvement to the stabilisation of soil.

Independent and in-house testing has found an extended value in showing the presents of fertiliser used can also be cut back dramatically, eliminating further the possibility of leaching to the water table or runoff into waterways.

To 3000 Square meters to 1 litre (Point .5 Mls to Point .3 Mls per square meter).

For deep rooted plants or trees use; DROUGHTTEX Ultra-Soil Yellow-Breaker, Blue-Retainer or Sports Rebound suitable for: All sporting turf surfaces, parks and gardens, established trees & planting, bushes, Vines, fruit trees, seedlings, pot plants, lawns & turf, vegetable & flower growers and indoor gardens.

Application and how to use:

Please Note; For mixing, economical and soil/water compatibility tests into the amount, type and quality of water required to be held into the soil, a 1 litre trial test bottle is available and recommended prior to a total broad acre application, a good control factor would be recommended to start at a rate of 3000 square meters to 1litre, (.000.3 ml per square meter) then work up to the required or satisfactory level of depth and water retention required.

Rates of application; per treated meter square: Subject to the condition of treated soil.

The DROUGHTTEX range of products do have a mild salt tolerance, due to the minuet amount of product applied in broad acre application, a minimal observation may be observed.

To combat water penetration into hydrophobic soils caused by mild salinity, the Droughttex range is recommended, in severe circumstances Droughttex SoilMaster is recommended.

spray drift, this would appear more noticeable on strip/line or spot spaying watering. IF SPRAY DRIFT DOSE OCURE, IT IS RECOMMENDED THAT **ZERO-DRIFT** be used at a rate of 4000 parts water to 1 part **ZERO-DRFT**.

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DROUGHTEX

INSTRUCTIONS:- AGRAYIELD is a high concentrate solution and can be mixed as low as 3ml to 50 mls of water ratio, fill tank to one third full, remove inlet filter and agitate while adding AGRAYIELD, replace filter and continue agitation until full, applied with most boom spays or A.T.V.'s, it is recommended to use low pressure if possible and keep nozzles as low as possible to the ground, to maintain efficiency, accuracy and eliminate spray drift, this would appear more noticeable on strip/line or spot spaying watering.

IF SPRAY DRIFT DOES OCURE, IT IS RECOMMENDED THAT **ZERO-DRIFT** be used at a rate of 4000 parts water to 1 part **ZERO-DRFT**.

Shelf life:- Remaining stable after five years.

Agrayield is owned and manufactured in Australia by Benign Technologies Perth WA from natural raw materials and not required to be registered as a chemical-National Registration Authority Canberra Australia.

Sizes Available:- 1 litre sample bottle

20 and 200 litre plastic drums

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