

E R G O F I T O I N A C T I O N

Give Nature What Nature Wants

Lawns & Golf Courses



ERGOFITO

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LAWN & GOLF COURSES:

A lawn is an area of land planted with grasses or (rarely) other durable plants, which are maintained at a short length for aesthetic and recreational purposes. Common characteristics of a lawn are that it is composed only of grass species, it is subject to weed and pest control, it is subject to practices aimed at maintaining its green color, and it is regularly mowed to ensure an acceptable length, although these characteristics are not binding as a definition. In recreational contexts, the specialized names turf, pitch, field or green may be used, depending on the sport and the continent.

The term lawn, referring to a managed grass space, dates to no earlier than the 16th century. Tied to suburban expansion and the creation of the household aesthetic, the lawn is an important aspect of the interaction between the natural environment and the constructed urban and suburban space.

HEALTHY TURF GRASS and THATCH CONTROL.

Thatch is a tightly intermingled layer of living and dead stems, leaves and roots which accumulates between the layer of actively-growing grass and the soil underneath. A healthy thatch layer is an integral component of healthy turf grass.

As long as the thatch is not too thick it can increase the resilience of the turf to heavy traffic.

Thatch however, develops more readily on high-maintenance turf, excessive fertilization and irrigation forces turf to grow more quickly than micro-organisms can break it down. This will limit the oxygen in the soil and restrict the movement of air, water, fertilizer and other materials to the roots.

The resultant air and water impervious layer will cause grass rooting to be restricted to the thatch layer and reduce drought resistance in the turf. Optimal thatch layer balance is best achieved as nature intended with high levels of microbial activity ensuring a continual and balanced breakdown of thatch material.

Ergofito is one such way of stimulating microbial activity keeping ideal thatch layer density and composition.



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TEST CASE: Pearl valley Golf Course, Cape Town, South Africa

Regrowth of Marginal Area: Pearl Valley (Test Site)



Fig 1

Sparse turf conditions were present within an area of the Test Site. This area measured approximately 7m x 5m and was situated on a moderate incline. A sandy soil texture was present with limited quality in thatch layer composition. Through the first 3 months after the **Ergofito** application the turf quality steadily improved.



Fig 2

The area improved steadily through the first 3 months of application, to such an extent that it matched the overall high turf quality of on the range. The thatch layer had improved in thickness and composition as per the soil and root composition illustrated in Fig 2 above.

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ERGOFITO APPLICATION:

Ground preparation:

Although this first step is a recommendation only, therefore optional, we strongly advise applying it to ensure the soil has a healthy bacteriological activity.

Bio Agent	Quantity	Area
Ergostart Bio	125 Kg	Per Hectare

Following the application of the **Ergostart Bio**, wait 15 days prior seeding or transplanting. The above is applied with sufficient water, generally diluted 50:1 (50 liters of water per Kg of product). **Ergostart Bio** will immediately start decomposing all inert organic matter into plant food. More important it will de-mineralize any accumulation in the rhizosphere that is and has suffocated the soil. It will start by converting all of the above into humus, thus rejuvenating tired soils and allow normal and healthy roots development.

Ergofito Universal Plus application:

After ensuring that the soil has all the required minerals, trace elements, correct pH. and its fertilization, apply **Ergofito Universal Plus** in the following manner:

FIRST APPLICATION:

Bio Agent	When	Quantity
Ergofito Universal Plus	Any time of the Year	10 Kg Per Hectare

SECOND APPLICATION:

Bio Agent	When	Quantity
Ergofito Universal Plus	Two Months After the Above	10 Kg Per Hectare

To apply the above to soil, mix **Ergofito Universal Plus** with water at a minimum ratio of 1:200. (1Kg Product to 200 Liters Water)

Ergofito Universal Plus can be distributed radically via the drip irrigation simultaneously with the regular fertilization. It can be applied via a pivot, bowser or any existing method of irrigation available.

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