

# ECO-CHEM ~ Turf Pro Lawn Care



## **AN ENVIRONMENTALLY SAFE ALTERNATIVE FOR LAWN & TURF CARE**

**Turf Pro** is a highly concentrated NATURAL ORGANIC fertilizer for use on lawn and turf grass. Turf Pro is safe for use on all types of lawn and turf grass and is a clear alternative to synthetic lawn chemicals.

Turf Pro is formulated with amino acids, humic acid, fulvic acid, macro and micro nutrients, vitamins, minerals, cytokenins and auxins. Turf Pro has a high cation exchange capacity (soil storage capacity), for better retention of both water and nutrients and is a natural growth stimulant and a chelating agent. It can free up soil nutrients, making them readily available for uptake by plants. This is especially useful in clay soils where clay binds the soil nutrients making them unavailable to the plant.

Turf Pro stimulates indigenous soil biomass, promotes root growth and structure, improves nutrient uptake and metabolic activity, improves drought resistance, limits thatch buildup and improves disease and pest resistance. - **Turf Pro will NOT cause lawn burn!**

### **TURF PRO CAN...**

- ▶ Increase nutrient uptake.
- ▶ Increase drought tolerance.
- ▶ Improve soil structure, organic content.
- ▶ Increase seed vigor.
- ▶ Oxygenate the soil & improves water penetration.
- ▶ Stimulate soil biomass.
- ▶ Buffer against high fertilizer salts and pH changes.
- ▶ Reduce leaching.
- ▶ Initiate vigorous root development.
- ▶ Improve soil tilth.
- ▶ Retard pathogenic fungi build-up.

### **TYPICAL APPLICATION RATES**

- Lawn in good condition - 2 - 4 oz./ 1000 sq. ft.
- Lawn in average condition - 6 to 8 oz./1000 sq. ft.
- Lawn in poor condition - 10 to 12 oz./1000 sq. ft.
- Late fall conditioning - 6 to 8 oz./1000 sq. ft.

### **APPLICATION METHOD**

Apply with the aid of a conventional sprayer, hand sprayer, back pack sprayer, hose end sprayer, irrigation or fertigation apparatus. When using a hose end sprayer, set dial to 2 ounces / gallon water.

### **TYPICAL APPLICATION INTERVALS**

1. Apply at initial growth stage - Repeat mid summer or as required.
2. Apply after periods of drought.
3. Apply at end of season to increase resistance to winter kill.

**NOTE:** Application interval may vary depending on environmental conditions and results required.

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## APPLICATION NOTE

Increasing application rate and frequency can provide additional benefits. Avoid pesticide applications within 48 hours of applying product. Best applied in the early morning, evening or on a cloudy day.

## SAFETY

Turf Pro is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. Turf Pro does NOT contain synthetic chemicals, animal components, animal byproducts, manure or manure byproducts. Turf Pro is environmentally safe and is not harmful to animals, plants and humans.

## COMPLIANCE

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8.
- e) Does not contain animal manure, animal by-products or synthetic chemicals.

## ACCIDENTAL PESTICIDE EXPOSURE

- Lawn-care pesticides are not tested for their chronic health effects, unless they are also licensed for food uses. The third most heavily used herbicide in the U. S., MCP, has not been fully tested for chronic health effects since it is not allowed for use on foods. MCP is commonly found in weed and feed products.
- Nearly 30 million acres of lawn are routinely treated with lawn care chemicals. Some of these treated lawns may be toxic to birds. Recent Canadian studies found that between three and 14 bird deaths may occur due to pesticides per acre of farmland. It only takes one granule of diazinon to kill a bird. 14 Recent testings of dead birds for the West Nile virus by the State of New York found that birds had commonly died from pesticide poisoning. Lawn-care pesticides were found to be among the most common causes of death among the birds tested.
- Most lawn-care chemicals have the potential to contaminate underlying groundwater. The top five selling lawn-care pesticides, 2,4-D, glyphosate, MCP, dicamba, and diazinon, are all listed by the State of California as having the potential to contaminate groundwater based on their physical and chemical characteristics.
- On December 5, 2000 the EPA announced the elimination of all indoor uses of the widely used pesticide DIAZINON. Diazinon is used by homeowners on lawns and gardens. More than 15 million pounds of the pesticide is applied in the us annually in the US alone.
- In the 1950s, DDT was hailed as a safe insect control. More than 30 years later it was found to be almost completely non-biodegradable. It remained in the soil and built up in the food chain and could be deposited in the fatty tissue of humans. **DDT was eventually banned, but its off-spring lindane, dieldrin, chlordane and other chlorinated hydrocarbons, remained in use.**

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“ USE TURF PRO TO GROW TROPICAL FLOWERS”



## TURF PRO NATURAL ORGANIC FERTILIZER

Use turf pro to grow tropical flowers and healthy pest resistant lawns

----- Original Message -----

**From:** William C...

**Sent:** Monday, March 13, 2006 9:27 AM

**Subject:** WHAT TURF PRO HAS DONE FOR OUR FLOWERS

Good Morning Judy.

..

The following photos are the result of the introduction of Turf Pro into the soil starting last year when the **Birds of Paradise had produced only two blooms**. Well, you can **see this years results for yourself!** The plants are **still producing new shoots** which will be blooming in the next couple of weeks.

**ECO-CHEM has certainly come up with a great product.**

Bill C...

Kissimmee, Florida



(Original documents are on file at EcoChem)

