



ESLF – NATURAL LAWN FERTILIZER

ESLF is a super concentrated, premium quality organic fertilizer for seasonal lawn and turf grass care. **ESLF** is formulated with complex carbohydrates, macro and micro nutrients, amino acids, enzymes, proteins, vitamins and minerals. It also contains a variety of natural substances for soil and plant improvement. **ESLF** is 100% dispersible in water and can be soil or foliar applied throughout the season without causing leaf burn.

ESLF can provide quick results along with sustained color. Typically, two applications per season will maintain most lawns at above average condition. If a very high quality lawn is desired, 3 to 4 applications of **ESLF** may be required. Typically, lawns that are conditioned with **ESLF** are thicker, greener, and more pest resistant and require less watering than chemically treated lawns.

HEALTHY SOIL:

Healthy soil is a combination of microorganisms including bacteria, fungi and protozoa, minerals, rock, water, air, organic matter (plant and animal residue), and a variety of insects and worms that carry out a process that continually replenishes the soil and maintains long term soil fertility. Soil building involves a soil balance approach. Start balancing the soil by using organic fertilizers that contain the constituents necessary for soil building. When soil structure improves, soil health will improve, plant health will improve, weed and pest infestations will decrease and the requirement for herbicides and pesticides will decrease significantly or be eliminated.

FACTS:

Synthetic lawn chemicals do not provide essential nutrients necessary for healthy lawn and turf grass growth. In fact, lawn chemicals, including chemical fertilizers, can kill soil biomass, deplete the soil and, as a result, inhibit healthy grass growth. Conversely, organic fertilizers stimulate soil biomass and promote healthy root and grass growth. In addition, organic fertilizers improve soil porosity, drainage and aeration, reduce compaction and improve the water holding capacity of the soil thereby helping grass resist drought. One estimate indicates that a 5% increase in organic matter quadruples the soils ability to hold and store water.

Weeds will flourish with high nitrate levels and poor soil structure and are overall indicators of poor soil health. Controlling weeds is all about soil building and chemical fertilizers and pesticides do nothing to build or improve soil structure. Hard, tight soils with low calcium and/or sulphur content, low organic matter and low active biomass (microorganisms), promote weed growth. Loose, healthy soil aids in controlling weeds.

BENEFITS OF ESLF:

- Environmentally safe and not harmful to animals, plants and humans
- Improved root development and uniform growth
- Promotes early vigour and improved plant health
- Promotes residual color and density with slow even growth in a wide range of soil types and pH
- Stimulates indigenous soil microbes
- Aids in rooting, improves stress tolerance and disease management
- Suppresses weed growth
- Accelerated maturity
- Contains macro and micronutrients to buffer salts and improve soil nutrient holding capacity
- Provides a balanced carbon to nitrogen ratio for continuous nutrient availability and replacement of organic matter
- Aids in preventing disease associated with numerous fungi
- Ideal for use around sensitive environmental areas i.e. wetlands, streams and lakes
- Enhances the wear and stress tolerance of turf
- Improves tolerance to winter and summer stress conditions
- Provides protection against pathogens that attack germinating seeds and emerging seedlings
- Ideal for use on new turf or during renovation and over seeding
- Easy to use and simple to clean up with water

TYPICAL APPLICATION RATES (metric):

APPLICATION RATES / 100 sq. metres			
Lawn Condition	1st Application (mL)	2nd Application (mL)	3rd Application (mL)
Good	180 - 300	180 - 300	180 - 300
Average	300 - 360	300 - 360	300 - 360
Poor	360 - 600	360 - 600	360 - 600

A lawn in good condition requires 180 to 300 mL **ESLF per 100 sq. m. Therefore, if you intend to apply 20 litres of water per 100 sq. m., you would mix 180 - 300 mL **ESLF** in 20 litres water.

TYPICAL APPLICATION RATES (imperial):

APPLICATION RATES / 1000 sq. Feet			
Lawn Condition	1st Application (oz)	2nd Application (oz)	3rd Application (oz)
Good	6 - 10	6-10	6-10
Average	10-12	10-12	10-12
Poor	12-20	12-20	12-20

A lawn in good condition requires 6 to 10 oz **ESLF per 1000 sq. Feet. Therefore, if you intend to apply 5 gallons of water per 1000 sq. Feet., you would mix 6 – 10oz **ESLF** in 5 gallons water.

*** Over application can be a benefit - **ESLF** does not burn grass, flowers, trees etc.

TYPICAL APPLICATION INTERVALS:

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

APPLICATION METHODS:

ESLF can be soil or foliar applied with a conventional sprayer, hand sprayer, back pack sprayer, garden hose sprayer or through the irrigation system.

ESLF TANK MIXING INSTRUCTIONS:

ESLF is highly concentrated and must be diluted in water

Step 1: Fill tank with half the recommended water

Step 2: Add the appropriate amount of **ESLF** and agitate

Step 3: Add remaining water and thoroughly agitate

****Continued agitating is NOT necessary - Diluted solution should be used within 48 hours**

APPLICATION TIPS:

- 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
- Application rates and intervals may vary with environmental conditions, type of soil and grass and results required

SAFETY:

ESLF 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. **ESLF** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **ESLF** 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.

STORAGE & HANDLING:

Store in a cool location away from direct sunlight - No special handling required

PACKAGING:

2 Litre Jug

20 Litre (5 gallon) HDPE Pail

205 Litre (45 gallon) Barrel

1000 Litre Tote