

LAWNPORN

# A GUIDE TO FOLIAR APPLICATION

a practical guide for the home lawn enthusiast



## 01 WHAT IS FOLIAR APPLICATION?

# WHAT IS FOLIAR FERT?



Foliar fertiliser and other foliar applications are applied to the foliage (or leaf). It is the most efficient way to feed the plant as the nutrients are absorbed by the leaf and transferred into the plant. There is little to no wastage and no loss of nutrients through soil transfer.

Lawnporn Launch+ and Green Light are foliar fertilisers. They do not need to be watered in after application and take about 6 hours to fully enter the plant system.



# WHAT DO I DO?

A common question asked is how much product do I put in a 5L sprayer?

This is the wrong question to ask.

The first question is, how much area?

Measure your area and know how many metres square of lawn you have. We will use an example of 100m<sup>2</sup>, you can adjust for your area size.

The second question is, how much water does my sprayer use for my area?

You'll need to do a water only test run and note how much you use. Spray evenly, no overlapping in a deliberately slow walking pace and note how much water you use.

A good way to practice is spraying concrete with water only as you can see how evenly you are spraying.

## TIME TO MIX

Let's say you have used 5L of water in your 100m<sup>2</sup> area. How much product do I mix?

It is important that if you are using the product for the first time that you use the lowest dose for your first application. Foliar feeding takes time and a few applications for the plant to get accustomed to feeding this way. It is like spoon feeding a baby, so start small and build up over time. Generally it is recommended that you take 3-4 applications, a few weeks apart, before reaching full strength of our products.

Always read the label and do not go beyond recommended dosage rates.

In our example of 100m<sup>2</sup>, we are going to use Green Light with Nitrogen and Iron to give our lawn a deep green colour without producing too much surge growth. It is the first time we are using the application so we are going to mix the low rate of 200mL in our 5L of water to apply to our area.

Make sure you have a clean tank, wand and nozzle. Follow the mixing method on the next page.

## 04 HOW TO APPLY

# MIXING METHOD

1. Put 2.5L of water in your sprayer.
2. Put 200mL of Green Light in the 2.5L of water. Mix in with stick.
3. Put another 2.5L of water in while continuing to mix in with stick.
4. Give the closed container of mix a good shake.

# APPLICATION METHOD

1. Wear protective equipment, glasses, gloves, long pants, long sleeve top and closed shoes. Best to have 'spray clothes' and keep them separate in the shed.
2. Do not apply in high wind or temperatures above 32 degrees.
2. Start applying to lawn in an even deliberate fashion, little to no overlap.
3. Do not apply any treatment to hard surfaces like concrete (may stain).
4. Make a path of application like a snake going up and down in lines. The aim is to not walk on any of the wet treatment.
5. If at the end of treating your area, you have some liquid left, do not apply to any treated area as you may overdose the reapplied areas. You have slightly under treated, that is fine, you'll get better with practice. Dump the excess treatment you have.
6. Clean your sprayer after the application.

## 05 HOW TO GET THE BEST OUT YOUR APPLICATION

# EQUIPMENT

1. A backpack sprayer with a flat fan nozzle is the best application method. The flat fan nozzle makes for an even application easier.
2. Do not use sprayers that have used herbicides, insecticides or fungicides previously.
3. Always wash your sprayer out with clean water, doing it at least twice, pumping at least 2L of water through the nozzle (twice).

# APPLICATION TIPS

1. Do not apply in heat above 32 degrees or if the temp is expected to be 32 a few hours later. Either do it very early morning or early evening after heat has dropped below 32 for a couple of hours. Better still leave it to a cooler day.
2. Do not apply in windy conditions as it will make for an uneven application.
3. It is good to have some moisture in the soil before you apply. A deep watering the day before will see you right.
4. Do not water in after application. You can water about 6 hours after application however it is better left at least 24 hours. Should you accidentally water or have rain straight or soon after an application don't panic. Your treatment will become a soil soak, not as effective because of soil transfer but you'll see some benefits.

## 06 FREQUENTLY ASKED QUESTIONS

- Q - Can Lawnporn be used on my grass type?
- A - Lawnporn products are suitable for all lawns.
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- Q - Is it pet safe?
- A - Yes, however don't let pets walk on wet treatments as it may stain when they walk on concrete with wet paws for example.
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- Q - Can I use an old weed and feed bottle and hose?
- A - You can but I wouldn't recommend it. It is hard to apply evenly and the droplet size of the water makes most of the treatment a soil soak which is not efficient like foliar feeding.
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- Q - Can I mix Green Light with Root Builder+?
- A - This is called tank mixing. Yes you can for these two products but I would not mix Green Light with Launch+. Moist is our soil wetter and that does not mix with any of our other products as it must be watered in after application.

## 07 FREQUENTLY ASKED QUESTIONS

- Q - Can I fertilise straight after mowing?
- A - Yes but be careful of a few things. If it is a nice clean cylinder cut you'll be fine. If it is rotary cut - I'd give it a day.
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- Q - When can I mow after an application?
- A - It needs about 6 hours to soak in but I'd leave it till the next day or later.
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- Q - Can I mix Plant Growth Regulator with Green Light?
- A - You can and Green Light can help lessen colour loss that one can experience with plant growth regulator.
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- Q - I've just treated and got some burn?
- A - That can happen for many reasons. Usually it is overlapping, too hot or the rate is too high. With normal care and time the lawn will recover.



## 08 FREQUENTLY ASKED QUESTIONS

- Q - I finished my mix before I got to the end of my lawn?
- A - You over over treated your area. Maybe you needed to walk a bit faster. Try practicing with water only to get your technique down. You'll get better with practice.
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- Q - Do you have a program I can follow?
- A - Sure do, a few actually. Go to [www.lawnpornonline.com](http://www.lawnpornonline.com) and go to the program and tips section. Please note if your lawn has issues attend to them first (weeds for example). Think good soil, watering and regular mowing - fertiliser is only part the equation.
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- Q - I have a very spongy and thatchy lawn. Can Lawnporn fertiliser fix that?
- A - Generally speaking, no. Large thatch layers stop water, air and nutrients getting to the soil. Fertilising a thatchy lawn is not generally productive. Manage your thatch by detaching or renovation, then concentrate on repair with assistance of fertiliser.

## 09 FREQUENTLY ASKED QUESTIONS

- Q - I have fertilised with Four Seasons (granular). When can I start using the liquid fert's?
- A - Four Seasons (4S) is a slow release fertiliser so you may not need to use foliar products straight away. If you still want to, use at least a week to 2 weeks after using 4S and use a low dose application. You should really only use Launch+ or Root Builder+ if you do this. Green Light has iron but remember you'll have a decent amount of iron with Four Seasons so I wouldn't use Green Light soon after a Four Seasons app.
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- Q - What is the first product I should use?
- A - That depends on many things. Generally lawns need conditioning and Launch+ with phosphorus and kelp to assist the root system is a great starting point for repair and your first experience using foliar fertiliser is well served with Launch+ to condition the lawn and enhance the root system.

## 10 SAMPLE LAWN REPAIR GUIDE

Often we get asked for a guide to repair a lawn. The needs are different in every situation however here is a guide to get you on the right path. Repairs are done during growing season which will see good repair and lawn growth.

1. Treat problems first. Get rid of weeds, treat for insects such as black beetle and fungal issues.
2. Remove thatch or consider a renovation (low mow/aerate/topdress with sand or sandy loam)
3. Apply Moist soil wetter to improve water penetration, retention and distribution.
4. Apply Four Seasons granular fertiliser a week after your renovation and follow up applications of Launch+ and Root Builder+ applications. Below is an example.

Wk 1 - renovate, apply Moist soil wetter, 200mL per 100m<sup>2</sup> (water in after application)

Wk 2 - Apply Four Seasons Granular fertiliser, 1.8kg per 100m<sup>2</sup> - (water in after application)

Wk 3 - Apply Launch+, 50mL per 100m<sup>2</sup> (do not water in)

Wk 4 - Apply Root Builder+, 50mL per 100m<sup>2</sup> (do not water in)

Wk 5 - Apply Launch+ 70mL per 100m<sup>2</sup> (re apply Moist 200mL per 100m<sup>2</sup> on separate day)

Wk 6 - Apply Root Builder+, 70mL per 100m<sup>2</sup>

Wk 7 - Apply Launch+ 100mL per 100m<sup>2</sup>

Wk 8 - Apply Root Builder+ 100mL

You should have a good repair at this stage and you may look to improving the colour with Green Light in future applications. Typically people start tank mixing Green Light and Root Builder+ to get a great deep green and continue growing the root system for an efficient plant.

During a repair such as this, extra water will be needed early in the repair. Week 1 will have a couple of shorter waterings (20mins for example) each day in the morning and early afternoon, Week 2 will be the same but on alternate days and by week 3 to 4 we will look at 3 deep morning waterings a week then reduce to 2 by week 5 onwards. A deep watering is the time it takes to fill a small empty 94g tuna can under a sprinkler, so about an inch of water. Note sprinklers can vary greatly in water output so water timing will vary.



## LAUNCH+ 8-10-5 + KELP

PROFESSIONAL TURF FERTILISER FOR STRONG ROOT GROWTH

Launch+ is a professional grade foliar fertiliser designed to be applied to the foliage (or leaf) of the turf, a method of application which is often deemed the most efficient avoiding nutrient losses in the soil.

While designed for use throughout the year, Launch+ is best suited to use during times when turf root development is required.

The high amount of phosphorus (P), plant available zinc (Zn) and inclusion of kelp concentrate, all act to stimulate root growth. Ideal situations of use for Launch+ include during seed establishment, following renovation or scarring, or when recovery is required on injured or stressed turf.

GUARANTEED MINIMUM ANALYSIS	
Nitrogen (N) as Urea	8%
Phosphorus (P) as Phosphate	10%
Potassium (K) as Carbonate	5%
Zinc (Zn) as Nitrate	1%
Kelp Concentrate	5%



## GREEN LIGHT 15-0-0 + 6% Fe

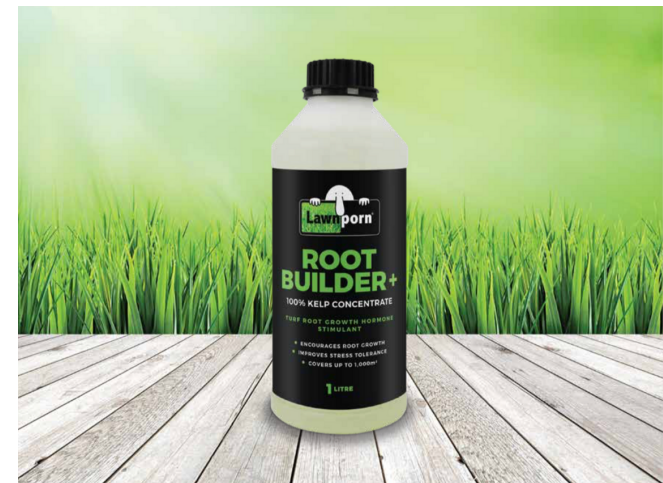
PROFESSIONAL TURF FERTILISER FOR RAPID TURF COLOUR

Green Light is a professional foliar fertiliser designed specifically to encourage a deep green colour and growth response in turf. The inclusion of iron (Fe) in chelated form helps get the nutrient into the plant quickly, resulting in rapid and lasting greening effect.

Based on the same formulation as Australia's most widely used nitrogen (N) and iron (Fe) fertiliser, Green Light, in one form or another, is used regularly on some of Australia's most prominent golf courses and sporting facilities.

While Green Light is a solid all purpose fertiliser, typical uses for this product include tournament preparation in golf courses, and prior to televised games in sports facilities. On the home lawn, Green Light is ideal for use before a BBQ or any time when you want to get your patch looking its best.

GUARANTEED MINIMUM ANALYSIS	
Nitrogen (N) as Stabilised Urea	15%
Iron (Fe) Total	6%
Iron (Fe) as Sulphate	4%
Iron (Fe) as EDTA Chelate	2%
Manganese (Mn) as Sulphate	2%



## ROOT BUILDER+ 100% KELP CONCENTRATE

TURF ROOT GROWTH HORMONE STIMULANT

Based on a highly concentrated kelp extract sourced from South Africa, the kelp formulation that makes up Lawnporn Root Builder+ is considered the Australian turf industry's best.

Many people have heard that some kelps contain plant hormones vital for growth, but what is less commonly known is that it is the ratio of these hormones within the kelp that encourage either leaf growth, or root growth. With a high auxin to cytokinin ratio (300:1), Lawnporn Root Builder+ is designed to stimulate root growth without impacting leaf growth.

When used in conjunction with fertilisers such as Launch+ or Green Light, there is no better way to get the turf roots moving.

GUARANTEED MINIMUM ANALYSIS	
Kelp Concentrate	100%
(Ecklonia maxima)	100%



Growing a lush lawn in the driest inhabited continent on Earth, while using water responsibly can be challenging. That's why professional turf managers will rely on high quality wetting agent products like Lawnporn Moist to get them through spring and summer.

While its name sounds a little silly, Lawnporn Moist is a serious wetting agent. Made of a 100% blend of surfactant compounds, Moist is specifically balanced to provide multi-action wetting agent activity in the soil; improving water penetration, moisture retention and distribution within the soil, keeping precious water at the root zone for longer.

The result is a not only a more resilient lawn through a long, hot summer, but also a lawn that grows more evenly due to the elimination of wet and dry spots that cause varying growth rates.

GUARANTEED MINIMUM ANALYSIS	
Blended non-ionic surfactants	100%



## FOUR SEASONS 25-0-13-3 + 3% Fe

PROFESSIONAL-GRADE SLOW RELEASE FERTILISER

Lawnporn Four Seasons is a professional grade slow release granular fertiliser. It is the style of fertiliser used by professional golf courses and sportsfield professionals designed to provide rapid and prolonged plant growth and greening effect. Slow release nitrogen and potassium will continue to feed the lawn for up to 16 weeks.

One of the most practical benefits of Lawnporn Four Seasons is the superior 150SGN granule size. The small size reduces the chance of fertiliser prills being damaged or picked up by mowing after application. Smaller granules provide better coverage over the turf surface when applied, offering superior performance.

GUARANTEED MINIMUM ANALYSIS	
Nitrogen (N)	25.3%
as Urea	11.5%
as Nitrate	4.6%
as Polymer Coated Urea	5.6%
as Methylene Urea	3.6%
Potassium (K)	13.2%
as Nitrate	10.3%
as Controlled Release	2.9%
Sulphur (S) as Sulphate	3.6%
Iron (Fe) as Sulphate	3.0%
Biuret (maximum)	0.35%






## MOIST

MULTI-PURPOSE PROFESSIONAL-GRADE SOIL WETTING AGENT



# LAWNPORN RANGE

## QUICK REFERENCE GUIDE

PRODUCT	ANALYSIS	SIZE	RATE	BARCODE
<b>GREEN LIGHT</b>	15% Nitrogen 6% Iron 2% Manganese	1 L	200-400mL / 100m <sup>2</sup> (treats 250-500m <sup>2</sup> )	 9 319943 009348
<b>LAUNCH +</b>	8% Nitrogen 10% Phosphorus 5% Potassium 5% Kelp Concentrate 1% Zinc	1 L	50-100mL / 100m <sup>2</sup> (treats 1,000-2,000m <sup>2</sup> )	 9 319943 009355
<b>ROOT BUILDER +</b>	100% Kelp Concentrate	1 L	50-100mL / 100m <sup>2</sup> (treats 1,000-2,000m <sup>2</sup> )	 9 319943 009331
<b>MOIST</b>	100% Blended non-ionic Surfactants	1 L	100-300mL / 100m <sup>2</sup> (treats 330-1,000m <sup>2</sup> )	 9 319943 009324
<b>FOUR SEASONS</b>	25.3% Nitrogen 13.2% Potassium 3.6% Sulphur 3% Iron	4 KG	Warm Season Turf 2kg / 100m <sup>2</sup> Cool Season Turf 1.5kg / 100m <sup>2</sup> (treats up to 250m <sup>2</sup> )	 9 319943 009362

# Further Resources



[www.lawnpornonline.com](http://www.lawnpornonline.com)



#lawnporn lawn care tips on Youtube



Intensive Turf Care Programs Calendar & Logbook