



# RIPAGREEN

## 2020 PRODUCT CATALOGUE



The most  
**natural and efficient**  
**weed control solution**

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# RIPAGREEN

## 2020 PRODUCT CATALOGUE

# Table of Contents

<b>p2.</b>	Ripagreen Technology
<b>p3.</b>	Ripagreen Applications
<b>p4.</b>	Easy Kit
<b>p5.</b>	Easy Kit Accessories
<b>p6.</b>	Mobility Kit
<b>p7.</b>	Mobility Kit Accessories
<b>p8.</b>	Easy+ Kit
<b>p9.</b>	Easy+ Kit Accessories
<b>p10.</b>	Autonomy Kit
<b>p11.</b>	Autonomy+ Kit
<b>p12.</b>	Autonomy Kit Accessories
<b>p13.</b>	NEW! Combo Lance
<b>p14.</b>	Killing Weeds With Heat

## Innovative High Velocity Heating System for Weed Control

The unique High Velocity Heating System designed by RIPAGREEN ensures speed, comfort and efficiency for all your thermal weed control operations.

Thermal weed control should be used as part of an integrated weed control system and can be considered chemical free.



### RIPAGREEN Technology

The use of heat to control unwanted plant growth has been around for many years and was certainly in use before the widespread use of inorganic chemicals.

**A common misconception is that the plant has to be visibly scorched before it will suffer.** The fact is, a plant leaf only has to be briefly exposed to a temperature of around 80°C to suffer terminal damage.

This exposure to severe heat bursts the cells in the plant leaf. This in turn renders the plant incapable of converting light energy in to chemical energy (Photosynthesis) effectively causing starvation.

Further thought and research on this subject will reveal this method is most effective on young, fleshy, hungry plants rather than old established woody plants, which may have sufficient amounts of stored energy in their stems and roots to overcome temporary food shortages.

The **RIPAGREEN** technology utilises simple propane gas combustion alongside a natural air pressure differential effect (venturi) to surround the targeted weed with a high velocity of heated gas (air). The large amounts of air being passed through the lance ensure that the lance is safe to touch. This patented technology ensures maximum effect using the minimum amount of fuel.

The innovation and goal to make this an effective weed control solution does not end there. **RIPAGREEN** have developed every detail of their products to be simple to use and comfortable to operate. Operator effort, fatigue and discomfort is reduced to an absolute minimum when using the unique **RIPAGREEN** system.

**0% HAZARDOUS CHEMICALS**

**100% NATURAL INNOVATION**

## RIPAGREEN Applications



### PATHWAYS / LARGE AREAS

RIPAGREEN allows you to weed large areas such as park pathways, pavements or car parks effortlessly.



### ROCKERIES / SMALL AREAS

RIPAGREEN allows you to weed small areas such as sparsely planted borders, tree perimeters and rockeries.



### DIFFICULT TERRAIN / WATER COURSES

RIPAGREEN allows you to weed areas such as slopes and paths adjacent to waterways.

## The RIPAGREEN Thermal Lance



### Long life stainless steel diffuser

The hot air diffuser is directional at 360° and forces the heat as a rigid hot blade. The heat produced allows weeding width of 40 cm with precision and power.



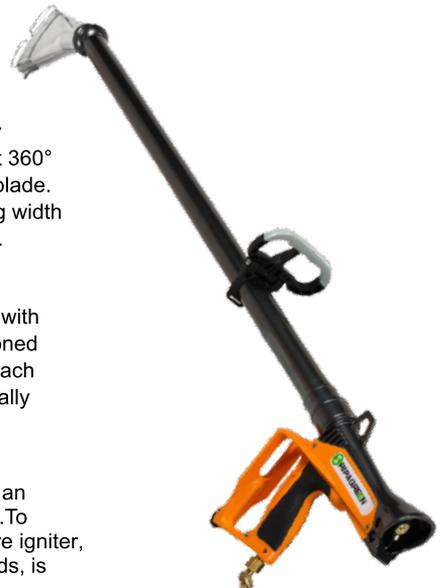
### Support handle

The strong and ergonomic handle with "Soft-grip" covering may be positioned anywhere along the lance to suit each operator and folds back automatically after use.



### Spare piezo igniter

A "click and start" system ensures an instantaneous ignition of the lance. To guarantee a non-stop work, a spare igniter, changeable with no tools in seconds, is stored inside the handle.



# EASY Kit

(341040) **£2195.00**

## The **EASY** Kit includes:

### 1 Standard thermal lance (342037) with:

- 4 metre gas hose with crimped connectors
- 1 gas regulator adjustable 1.5-3.5 bar (22-51 psi)
- 1 spare igniter stored in the handle
- 1 tool for connections + a user's guide

### 1 Multimodal carrying trolley for gas cylinder (333550)

- For 10 to 15 kg gas cylinder
- 1 textile bottle cover
- Adaptable push and pull handle operation
- Parking brake
- Support for standard lance



### Technical data:

- Adjustable heat power from 45 to 80 kw
- Gas consumption: 2.9 to 5.2 kg/h (6.4 - 11.5 lbs/h)
- Standard lance net weight: 2.1 kg (hose excluded)
- Trolley net weight: 11 kg (bottle excluded)



The thermal lance features an automatic ignition system when the gas trigger is squeezed and has an effective working width of 40cm. It may be mounted on the trolley in the centre or to the left or right allowing easy access to kerb edges. The nozzle may be rotated through 360° to tackle vegetation at different heights and angles.

## Individual items (if purchased separately)



### Standard thermal lance (342037)

Lance tube length 135cm

Supplied with cylinder adapter, pressure regulator and 4 metres of gas hose with swaged fittings.

**£2000.00**



### Multimodal trolley for gas cylinder (333550)

Pivoting front axle with reversible handle to enable the trolley to be pushed or pulled. Mounting system for the Standard lance. Puncture proof tyres. Fabric cover for gas cylinder.

**£750.00**

### Additional stabilisation wheel for front axle

**£35.00**

## Mobility Kit

(341063) **£1995.00**

### The Mobility Kit includes:

#### 1 Mini thermal lance (341053) with:

- 1 metre gas hose with crimped connectors
- 1 gas regulator adjustable 1.5-3.5 bar (22-51 psi)
- 1 spare igniter stored in the handle
- 1 tool for connections + a user's guide

#### 1 Ergonomic harness for mini thermal lance & lightweight gas cylinder (238003)

- For 5 kg lightweight gas bottles
- 1 textile bottle cover
- 1 metre gas hose set with crimped connectors
- Versatile support system to allow the lance to be operated with one hand.



#### Technical data:

- Adjustable heat power from 45 to 80 kw
- Gas consumption: 2.9 to 5.2 kg/h (6.4 - 11.5 lbs/h)
- Mini lance net weight: 1.96 kg (hose excluded)
- Trolley net weight: 11 kg (bottle excluded)



The thermal lance is supported by the harness allowing one hand operation with virtually zero effort. This kit weighs no more than a knapsack sprayer and may be used left or right handed. It is ideal for spot treatment and difficult to access situations. The nozzle may be rotated through 360° to tackle vegetation at different heights and angles.

## Individual items (if purchased separately)



### Standard thermal lance (341053)

Lance tube length 92cm

Supplied with cylinder adapter, pressure regulator and 4 metres of gas hose with fittings.

**£1850.00**



### Ergonomic harness for mini thermal lance (238003)

The harness has an adjustable pneumatic lumbar support and an adjustable suspension system to suit the shorter mini lance. Fabric cover for gas cylinder.

**£275.00**

# EASY+ Kit

(341058) **£2400.00**

## The **EASY+ Kit** includes:

### 1 Mini thermal lance (341053) with:

- 4 metre gas hose with crimped connectors
- 1 gas regulator adjustable 1.5-3.5 bar (22-51 psi)
- 1 spare igniter stored in the handle
- 1 tool for connections + a user's guide

### 1 Multimodal carrying trolley for gas cylinder (333550)

- For 10 to 15 kg gas
- 1 textile bottle cover
- Adaptable push and pull handle operation
- Parking brake
- Support for standard lance

### 1 Ergonomic harness for mini thermal lance (238003)

- For 5 kg lightweight gas bottles
- 1 textile bottle cover
- 1 metre gas hose set with crimped connectors
- Versatile support system to allow the lance to be operated with one hand.



### Technical data:

- Adjustable heat power from 45 to 80 kw
- Gas consumption: 2.9 to 5.2 kg/h
- Mini lance net weight: 1.96 kg (hose excluded)
- Backpack net weight: 11 kg (Full 5kg lightweight bottle included)



The Easy+ kit combines the mobile gas storage capacity with the mini thermal lance mounted on the ergonomic backpack allowing one hand to operate the lance and the other to position the trolley.

## Individual items (if purchased separately)



### Mini thermal lance (341053)

Lance tube length 92cm

Supplied with cylinder adapter, pressure regulator and 4 metres of gas hose with fittings.

**£1850.00**



### Multimodal trolley for gas cylinder (333550)

Pivoting front axle with reversible handle to enable the trolley to be pushed or pulled. Mounting system for the Standard lance. Puncture proof.

**£750.00**

### Additional stabilisation wheel for front axle.

**£35.00**



### Ergonomic harness for mini thermal lance (238003)

The harness has an adjustable pneumatic lumbar support and an adjustable suspension system to suit the shorter mini lance. Fabric cover for gas cylinder.

**£275.00**

# AUTONOMY Kit (341068) £3095.00

## The **AUTONOMY Kit** includes:

### 1 Mini thermal lance (341053) with:

- 4 metre gas hose with crimped connectors
- 1 gas regulator adjustable 1.5-3.5 bar (22-51 psi)
- 1 spare igniter stored in the handle
- 1 tool for connections + a user's guide

### 1 Universal vehicle mounting frame (333657)

- 1 cylinder securing strap
- 1 cylinder cover for 10 to 15 kg gas
- 1 Thermal Lance bracket with fasteners
- Mounting for automatic hose reel
- Vehicle mount clamping kit

### 1 Automatic hose reel (334081)

- High quality retractable hose reel
- 5 metres of flexible gas hose with crimped connectors



### Technical data:

- Adjustable heat power from 45 to 80 kw
- Gas consumption: 2.9 to 5.2 kg/h (6.4 - 11.5 lbs/h)
- Mini lance net weight: 1.96 kg (hose excluded)
- Universal frame with reel net weight: 33 kg (bottle excluded)

# AUTONOMY+ Kit (341073) £3355.00

## The **AUTONOMY+ Kit** includes:

### 1 Mini thermal lance (341053) with:

- 1 thermal lance (US/BS norm) (90 cm) with :
  - 4 metres gas hose with crimped connectors
  - 1 gas regulator adjustable 1.5-3.5 bar (22-51 psi)
  - 1 spare igniter stored in the handle
  - 1 wrench for connections + a user's guide
- 
- 2 universal cylinder holder frames, with:
  - 2 belts and 2 covers for cylinder of 10 to 15kg gas
  - 2 thermal lance brackets with fasteners
  - 1 US/BS connection set for 2 gas cylinders
  - 1 clamping kit /additional universal holder frame

### 1 Automatic hose reel (334081)

- High quality retractable hose reel
- 5 metres of flexible gas hose with crimped connectors



**Technical data:** see AUTONOMY Kit



The Autonomy kit packs up quick and small to easily move from job to job with the mini thermal lance and automatic hose reel.

## Individual items (if purchased separately)

	<p><b>Mini thermal lance (341053)</b></p> <p>Lance tube length 92cm</p> <p>Supplied with cylinder adapter, pressure regulator and 4 metres of gas hose with fittings.</p>	<p><b>£1850.00</b></p>
	<p><b>Multimodal trolley for gas cylinder (333550)</b></p> <p>Pivoting front axle with reversible handle to enable the trolley to pushed or pulled. Mounting system for the Standard lance. Puncture proof tyres.</p>	<p><b>£995.00</b></p>
	<p><b>Ergonomic harness for mini thermal lance (238003)</b></p> <p>The harness has an adjustable pneumatic lumbar support and an adjustable suspension system to suit the shorter mini lance. Fabric cover for gas cylinder.</p>	<p><b>£995.00</b></p>

# INNOVATIVE HIGH VELOCITY HEATING SYSTEM FOR ALL YOUR APPLICATIONS



**EASY KIT**  
**£2495.00**



**Individual**  
**£2195.00**



**NEW**  
**COMBO LANCE**

**MOBILITY KIT**  
**£2295.00**



**AUTONOMY KIT**  
**£3395.00**



**EASY + KIT**  
**£2695.00**



A THERMAL COMBO LANCE IN 2 PARTS, ADAPTED IN 1 CLICK TO ANY FIELD

## Integrated Weed Management is coming... But what is it?

Weeds are opportunists and will grow wherever conditions allow. To reduce the prevalence of weeds we need to either disrupt the plant life cycle or control the environment to make growth less likely.

### Mechanical Prevention

One way this can be done is by removing the soil that the weeds grow in. By sweeping we can keep hard surfaces clean and free from detritus that could decompose and become soil. By removing the soil we can greatly reduce opportunities for weed growth. **Thermal weed control also comes under the mechanical umbrella.** Heat can be used to prevent a seed from producing a plant. At about 70-80 degrees the cells within the seed coagulate and are no longer able to function, so seeds are rendered useless.

### Cultural Prevention

Cultural prevention might include anything we can use in the environment to reduce weeds, such as a membrane under gravel surfaces, which allows drainage, but prevents weeds from growing up from underneath. Other things might involve getting locals involved in keeping their own areas tidy, hedges pruned etc to prevent detritus build up. Controlling traffic flow and effective water drainage can also have an impact.

### Biological Prevention

This involves the use of natural enemies to different plant types; for example deer, sheep or different types of insect can be used to control certain types of plant. Natural ecosystems are a delicate balance and introducing a predator of some kind into the chain can have great benefits to the overall ecosystem; in this case, a reduction in weeds.

### Chemical Prevention

Chemical prevention refers to pesticides that are applied to the plant or surface to control the growth or germination of weed species.

An integrated approach uses all or a mixture of these techniques to prevent weed growth. Different strategies work well at different times of year and an annual plan can be put in place if the specific conditions of your environment are known. Sometimes it is more appropriate for one approach to be dominant and others, a more balanced approach is required.

Visit: [www.kerstenuk.com](http://www.kerstenuk.com)  
Call: 0118 9869 253



**MOBILITY KIT**



**EASY KIT**



**AUTONOMY KIT**

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