

# Evergreen Turf Covers

## – By Covermaster Germination Covers for speeding up seed establishment and grass growth

- Covers for golf, sports fields, newly sown turf, and for bringing turf out of winter dormancy earlier
- Earlier spring growth in cooler climates
- Holds moisture and retains heat making the soil much warmer than outside the cover
- Holds moisture in and prevents ground drying out and therefore requires less water to germinate grass
- Noticeably quicker to germinate grass in cool temperatures
- Protects seed from high winds, rain wash out and birds
- The cover can be cut to fit an area and the edges won't fray after cutting (simply tuck under a pin)
- Lightweight and easy to handle, and won't smother grass

Covermaster's Evergreen Turf Covers are remarkable in their cool season performance in germinating grass over winter, making existing grass grow out of dormancy (over winter) and for making germination times noticeably faster in spring and autumn. Evergreen covers also hold valuable moisture in the soil in dry periods saving irrigation water and preventing soil drying out and damaging fledgling seedlings.

Being permeable the covers allow air, light and moisture penetration which makes it ideal for new seedlings and over sowing. This "green house" effect warms the soil resulting in earlier root growth and earlier seasonal growth in fringe seasons.

The product is made of a permeable woven, translucent polyethylene with a patented lace coating. Is rot resistant and has a 3 or 7 year warranty (depending on the type of cover purchased).

### **Available Sizes**

Evergreen Radiant Covers 21.95 m x 27.43 m = 602 m<sup>2</sup>

Evergreen Radiant Covers 25.60 m x 33.53 m = 858 m<sup>2</sup>

Evergreen Sports Covers 21.95 m x 27.43 m = 602 m<sup>2</sup>

Evergreen Sports Covers 25.60 m x 33.53 m = 858 m<sup>2</sup>

Radiant covers have a higher efficiency factor and convert approximately 15% more heat under the cover.





# Graden GS04

## Walk behind (pedestrian) turf de-thatcher

- Engine 13HP Honda
- Hydrostatic variable speed gearbox
- 0-45 mm cutting depth- variable
- Width of cut 400 mm
- Blades 190 mm x 1, 2 or 3 mm

The original Graden, ideal for golf greens, tees approaches, cricket wickets, bowling greens, tennis courts and lawns.



# Graden GBS 1200

## Tractor mounted de-thatcher

- PTO driven - requires 20HP plus tractor
- 0-45 mm cutting depth - variable
- Width of cut 1200 mm
- Blades 210 mm x 1, 2 or 3 mm
- AX40: Gold Label Carlisle belts

1.2 m straight reeled tractor mounted, ideal for flat areas such as sports fields, cricket wickets, tennis courts, tees - in fact anywhere there is flat turf areas.



# Graden SW04 Swing Wing

## Tractor mounted de-thatcher

- PTO driven - requires 30hp plus tractor
- 0-45 mm cutting depth - variable
- Width of cut 1500 mm or 2000 mm
- Blades 210 mm x 1, 2 or 3 mm
- A47: Carlisle Super 2 series belts

Tractor mounted with three individual floating heads, ideal for all turf areas, and particularly areas where the ground undulates such as fairways.





## Graden Contour

### Walk behind (pedestrian) turf de-thatcher

- Engine 20HP Honda – key start
- Hydrostatic variable speed gearbox
- 0-40 mm cutting depth- variable
- Width of cut 525 mm
- Blades 210 mm x 1, 2 or 3 mm

Independently floating head pedestrian Graden, wider and faster than the original Graden (GS04). Ideal for undulating surfaces such as golf greens, approaches and landscape areas. Follows the contour of the surface being de-thatched



## Graden Contour Sand Injection

### Walk behind (Pedestrian) turf de-thatcher

- Injects sand directly into the grooves as it de-thatches
- Engine 20HP Honda - key start
- Hydrostatic variable speed gearbox
- 0-40 mm cutting depth - variable
- Width of cut 525 mm
- Blades 210 mm x 1, 2 or 3 mm
- Sand box capacity 75 kg

Same specifications as the original Contour, but with the added ability to inject sand directly into the grooves as they are created by the blades. Don't just groove it – fill it!



## Graden Blades

A selection of tungsten tipped blades are available for the entire range of Graden Equipment.

Sizes are:

(GS04):

190 x 1 mm

190 x 2 mm

190 x 3 mm

Or they can be used as a combination for wider grooves (e.g. 2 x 3 mm together)

(GBS 1200, Swing Wing, Contour and Countour Sand injection):

210 x 1 mm

210 x 2 mm

210 x 3 mm

Or they can be used as a combination for wider grooves (e.g. 2 x 3 mm together)

Full blade axle assemblies (2 and 3 mm blades) are available for customers who wish to syndicate the ownership of the machines, but retain their own blades (own axle).



## 456 Handheld Sprayer

Large 4.5" filler opening makes filling and clean up safe and easy. Chemically resistant Viton® seals throughout. High density polyethylene tanks with ultra-violet inhibitors, which allow for unmatched durability and ultra-violet protection. Automatic pressure relief valve releases excess pressure at 45 psi and may be used to release pressure as desired. Solo handheld sprayers can reach full pressure with about half the pumping required by other brands. Shut-off valve and wand overall length is 28" for hard to reach places. Four feet of high pressure hose for hard to reach places. Includes an assortment of four nozzles. Our toughest 2 gallon sprayer. Best for steady spraying under severe conditions.



## 421 Spreader

Product Description

SOLO Spreader - 5.5 lbs (2.5 kg), 20 lb (9.10 kg) capacity. Uses include spreading ice melter, grass seed, feed stock, fertiliser, cleaning agents, pelletised lime, wild game feed, oil absorbers, etc.



## Croplands Knapsack Sprayer

The Croplands Knapsack Sprayer is backed by a 2 year warranty. It has a new non leak machine sealed, dual piston/Diaphragm pump. The lance clips to lid for easy storage, safe, wide 5.5" filling port and wide non-absorbent straps for strength, comfort and safety. It has a large 15 litre tank with UV inhibitors.



## Soil Testing Service

- This professional turf management service from PGG Wrightson Turf takes the guesswork out of determining turf fertiliser requirements
- Provides an indication of important nutrient levels and soil chemical factors that influence turf quality
- Allows an accurate estimate of the type and quantity of nutrients required to balance the soil
- Ensures time and money is not wasted by applying unnecessary materials
- Is useful in planning fertiliser programmes for the following season
- Complete nutrient analysis is available – pH, P, Ca, Mg, K, Na, CEC, BS, VW
- Provides a soil analysis report form
- Is easy to read and understand
- Presents data in bar graph form for an easy comparison between samples

## Plant Tissue Analysis

- Provides an accurate indication of utilisation of plant available nutrients
- Detects nutrient deficiencies and imbalances
- Most accurate method of testing minor elements available, i.e.: Fe, Mn, Zn, Cu
- Monitors fertiliser programmes
- Our PGG Wrightson Turf staff are trained to interpret soil and plant analysis, provide recommendations for renovation and maintenance programmes tailored to suit your specific needs

## Field Sizes

- Sizes and dimensions of sports fields and playing surfaces are available from PGG Wrightson Turf and NZSTI upon request

# Conversion Factors

## Conversion formulae;

To use the formulae, multiply the imperial measurement by the factor beside the conversion you wish to make. If you wish to convert metric measurement into imperial measure, simply divide by the same factor.

### Length

To convert	Multiply by
Inches into millimetres	25.4
Inches into centimetres	2.54
Inches into metres	0.0254
Feet into millimetres	304.8
Feet into centimetres	30.48
Feet into metres	0.3048
Yards into metres	0.9144
Fathoms into metres	1.8288
Chains into metres	20.1168
Furlongs into metres	201.168
Miles (statute) into kilometres	1.609344
Miles (nautical) into kilometres	1.852

### Volume/Capacity

To convert	Multiply by
Cubic inches into cubic centimetres	16.387064
Cubic inches into litres	0.016387
Cubic feet into cubic metres	0.0283168
Cubic feet into litres	28.316847
Cubic yards into cubic metres	0.7645549
Teaspoons into millilitres	4.93
Tablespoons into millilitres	14.78
UK pints into litres	0.5682613
U K quarts into litres	1.1365225
UK gallons into litres	4.54609
UK gallons into cubic metres	0.0045461
UK fluid ounces into cubic metres	28.413063
US pints into litres	0.47
US quarts into litres	0.95
US gallons into litres	3.79

### Area

To convert	Multiply by
Square inches into square millimetres	645.16
Square inches into square centimetres	6.4516
Square feet into square centimetres	929.0304
Square feet into square metres	0.092903
Square yards into square metres	0.836127
Square yards into ares (0.01 hectare)	0.0083613
Square miles into square kilometres	2.589988
Acres into square metres	4046.8564
Acres into hectares	0.4046856

### Mass

To convert	Multiply by
Grains into to milligrams	64.79891
Grains into metric carats	0.323995
Grains into grams	0.064799
Pennyweights into grams	1.555174
Ounces into grams	28.349523
Ounces, troy into grams	31.103477
Ounces into kilograms	0.0283495
Pounds into kilograms	0.4535924
Stones into kilograms	6.3502932
Hundredweights into kilograms	50.802345
Tons into kilograms	1016.0469
Tones into metric tonnes	1.01605
Tahils into grams	37.799
Kati into kilograms	0.60479

### Temperature Conversion

#### To convert from Celsius to Fahrenheit;

$$F = 9/5 \times \text{Celsius} + 32$$

i.e. to work out what 20°C would be in Fahrenheit;  
 $20^{\circ}\text{C} \div 5 \times 9 \text{ plus } 32 = 68^{\circ}\text{F}$

#### To convert from Fahrenheit to Celsius;

$$C = 5/9 \times \text{Fahrenheit} - 32$$

i.e. to work out what 70°F would be in Celsius;  
 $70^{\circ}\text{F} - 32 \div 9 \times 5 = 21.1^{\circ}\text{C}$

### To convert oxide rated fertiliser to elemental

Phosphate – Oxide multiply by 0.44

Potash – Oxide multiply by 0.83

(e.g, Oxide 28-3-10 becomes Elemental 28 -1.32 – 8.3 or 28-1-8)

### Tyre Pressure

PSI	KPA	KPA	PSI
25.0	172.36	155.0	22.48
26.0	179.26	160.0	23.20
27.0	186.16	165.0	23.93
28.0	193.05	170.0	24.66
29.0	199.95	175.0	25.38
30.0	206.84	180.0	26.11
31.0	213.74	185.0	26.83
32.0	220.63	190.0	27.56
33.0	227.53	195.0	28.28
34.0	234.42	200.0	29.00
35.0	241.31	205.0	29.73



# PGG Wrightson Turf Locations

