

Miscellaneous

Aqua-Aid PROportioners

Hand watering proportioners for applying seaweed and wetting agent. The Aqua-Aid PROportioners system is designed specifically for use on all types of turf, vegetables, gardens and ornamental plantings. A convenient system with no chemical mixing for utilising Aqua-Aid products that's as easy as hand watering.

Use: Aqua-MAXX® pellet; insert one pellet into the PROportioner's clear jar (see photo) and apply to approximately 1,100 m² during hand watering once a month (refer to page 104). This tablet contains a wetting agent as well as seaweed and won't burn turf.



Kalo Pro-Ap Applicator

Industrial nylon applicator for applying wetting agents to dry and hydrophobic areas.

Can also be used to apply other chemicals and nutrients.

Pack Size: 900 ml container



Plifix

Synthetic grass implants for ground marking. Base sits 40 mm below the soil surface with different coloured synthetic fibres extending 70 mm (through 40 mm sand and 30 mm turfgrass surface). Will not be damaged by mowing, hard to pull out and easily installed.

Use: Used in turf to mark line marking corners and junctions or to mark drains, irrigation, electric cables, sprinklers, camping sites etc.

Available in

Yellow, blue, red, white

Pack Size: Cartons of 25 or 50



Evergreen Turf Covers – By Covermaster

Germination covers for speeding up seed establishment and grass growth

- Covers for golf, sportsfields, 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. Evergreen Turf Covers are rot resistant and have 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 m²

Evergreen Radiant Covers 25.60 m x 33.53 m = 858 m²

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



Hessian Covers

For cricket wickets.

3.66 m x 50 m

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 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 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 sportsfields, cricket wickets, tennis courts, tees - in fact anywhere there are flat turf areas. Also available on an "off set" model.



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; particularly areas where the ground undulates such as fairways. Also available as a Swing Wing Maxi (more information available from your PGW Turf Representative).



Graden Airow

Residential Scarifier

- Overall Dimensions: Width - 67 cm
Length - 132 cm
Height - 100 cm
- Engine: Honda GX200
- Transmission: Hydro-gear variable speed
- Wheels: Front 125 x 36
Rear 13 x 5 -6
- Belts: A Section V-Belts throughout
- Blades: 15 (1 mm x 190 mm) at 25 mm spacing
- Weight: 100 kg
- Optional attachments – Catcher

Self-propelled domestic scarifier with a cutting width of 400 mm. Comes with front mounted blades allowing for scarifying right up to the edges of lawns on domestic properties. Front catcher attachment is an optional extra allowing for scarifying and collecting all in one pass. Drive wheels are set inside the body of this unit which enables it to be driven through standard gates on properties.



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).



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 which provides the benefit of more liquid per pump plus higher operating pressures. 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.



Linkage Sprayer

Croplands has a range of linkage sprayers to suit your individual needs. Sprayers can be made up with a choice of tanks (500 - 1000 L), frames, booms, pumps, filtration units, controllers and other optional equipment.

Note: Different models of the linkage sprayer are also available.



Trailed Sprayer

Croplands' range of trailed 300 L sprayers is proving very popular for smaller clubs all over New Zealand. Models include the 12 volt range with or without a boom, and the motorised versions with an AR diaphragm pump for spot spraying. The sturdy frame has a tow hitch fitted.

Note: Different models of the trailed sprayer are also available.



12 Volt Sprayer

50 litre greens sprayer, battery included. This model has a 2 metre boom with non-drip nozzles, 10 metres of hose and a lance – all operated with a 12 volt pump. Three wheels provide excellent manoeuvrability for turf or bowling green spraying.



A wide range of parts including pumps, nozzles, gauges, hoses, tanks and booms are also available. Pre-ordering is recommended. Please contact your local PGW Turf Representative for more information.

AndePro 2000™ Rotary Spreader

High quality stainless steel frame rotary spreader. Heavy duty stainless steel frame for long life. Pneumatic tyres. Hopper cover included. Application rates link with the settings on The Andersons fertiliser bags.



PowerPro™ 2000 Vehicle Mount Spreader

Designed for mounting on a utility vehicle. Remote control electric motor operates impeller. Includes quick connect mounting brackets. Same spreader settings as 2000 SR™. Oversized hopper holds up to 65 kg (dependent on density of product being spread). Application rates link with the settings on The Andersons fertiliser bags. This is not a stock item, so pre-ordering is recommended.



2000™ SR Rotary Spreader

High quality stainless steel frame rotary spreader. **Patented helical cone-adjust spread pattern for better accuracy.** Heavy duty stainless steel frame for long life. Pneumatic tyres. Right side deflector shield and hopper cover included. Application rates link with the settings on The Andersons fertiliser bags.



SSD™ Drop Spreader

High quality stainless steel hopper. Heavy duty enamel finished frame for long life. Pneumatic tyres, precision calibration.



Prizelawn PSB Lil Foot Spreader

- Maximum spread of 8 feet
- Powder coated frame
- Holds a maximum weight of 22.68 kg
- Positive lock rate mechanism
- Fully enclosed, heavy duty gears
- Comes with cover
- Pneumatic tyres



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 and provide recommendations for renovation and maintenance programmes tailored to suit your specific needs

Sportsfield Dimensions

Association Football

91.4 m x 45.7 m minimum

118.9 m x 91.4 m maximum

"L" Length 91.4 m – 118.9 m Senior

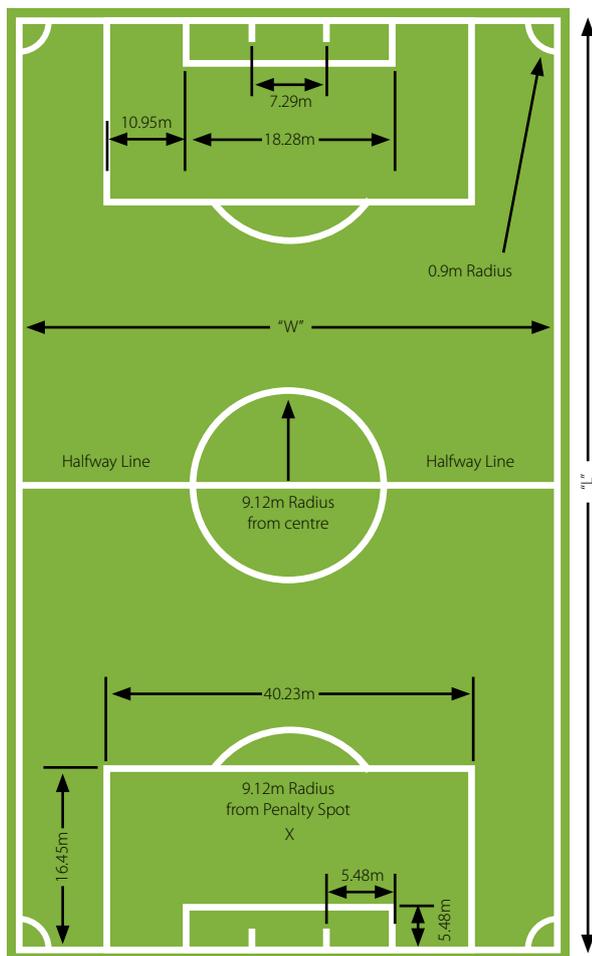
82.3 m – 91.4 m Junior

"W" Width 45.7 m – 91.4 m Senior

45.7 m – 54.8 m Junior

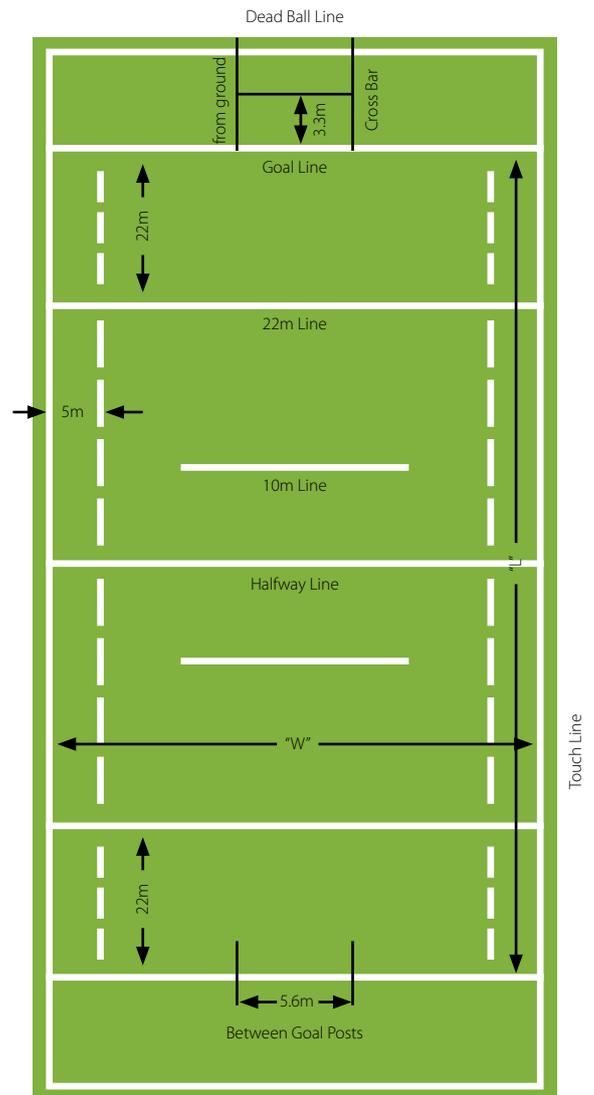
"X" Penalty Spot 11 m from centre goal line

Note "L" and "W" may vary – inside measurements static



Rugby Football

Not exceeding 100 m long and 69 m wide with maximum of 22 m behind the goal line to the dead ball line.



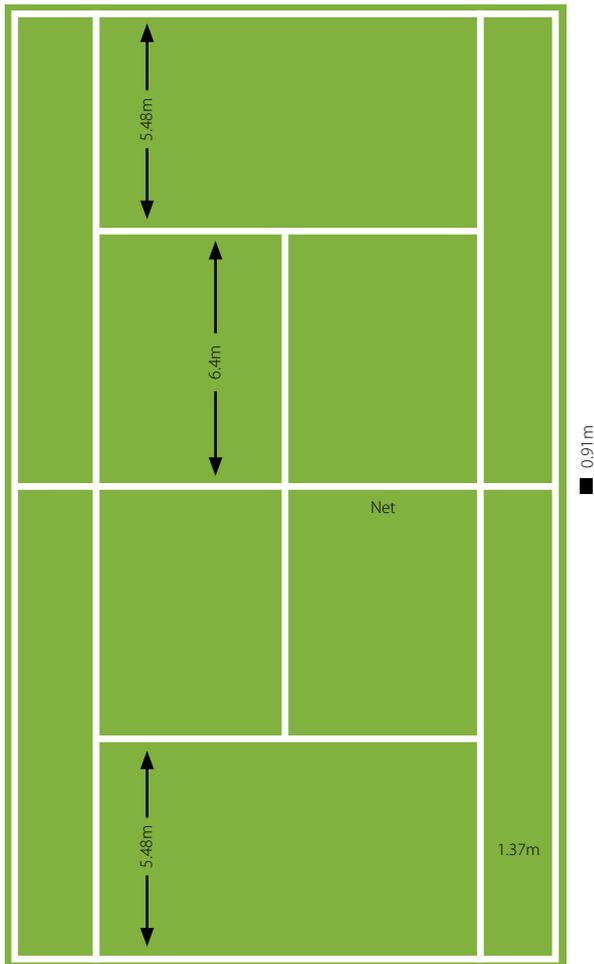
Sportsfield Dimensions

Lawn Tennis Court

23.77 m x 10.97 m
(Single 8.23 m)

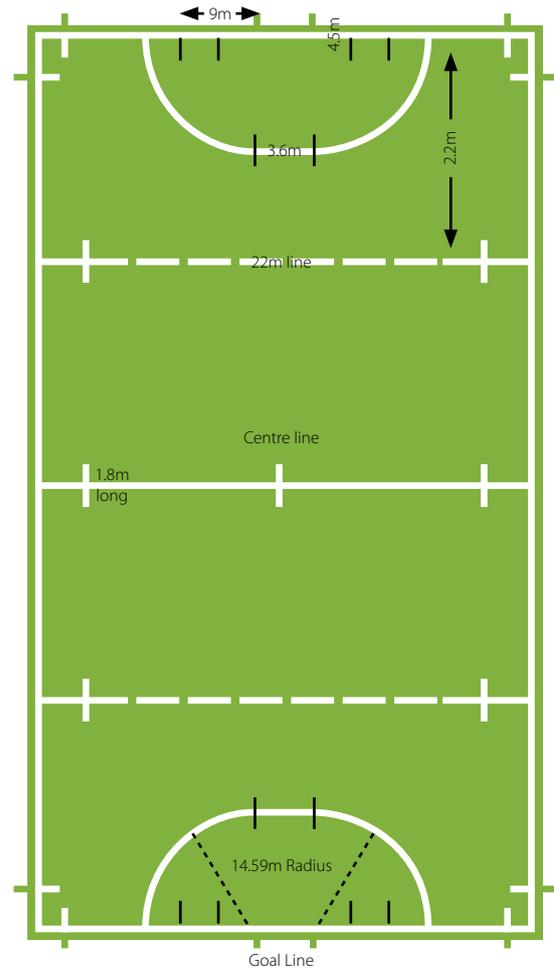
Allowing for run back the following measurements are given as a guide.

33.5 m x 16.8 m maximum
30.5 m x 15.5 m minimum



Hockey Pitch

91.4m x 54.8 m



Bowls

38.4 m square maximum
32 m square minimum inside ditch
Rinks:
6.4 m maximum width
5.8 m minimum width

Croquet Lawn

32 m x 25.6 m

Cricket Pitch

20.1 m between the wickets

Polo Ground

Length not to exceed 274.3 m
Breadth not to exceed 182.9 m if unboarded
or 146.3 m if boarded

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

Whilst every care is taken to ensure accuracy and reliability in this information, no responsibility for the consequences which may arise from the acceptance of these conversion formulae can be accepted, as many other factors come into effect. We recommend that you consult other sources before using these conversion formulae.

PGG Wrightson Turf Locations



Customer Service

South Island (03) 372 8719

North Island (09) 570 2570



pggwrightsonturf.co.nz



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Mark Shaw

International / Product Development
027 499 8327

George Tohill

Sales and Marketing
027 430 2972

Brian Griffiths

Northland, North Auckland
027 430 2992

Craig Johnston

Auckland
027 344 6439

Julian Holden

Central North Island, Waikato, Bay of Plenty, Coromandel
027 289 2244

Karen Crake

South Waikato, Taranaki
0274 302 995

Matt Kidby

Lower North Island, Wellington, Hawke's Bay
0274 874 002

Jason Weller

Upper South Island, Christchurch
0275 963 974

Grant Bunting

Christchurch, Central Otago
027 704 7520

Joe Johnson

Christchurch South, Otago,
Southland, West Coast
027 596 3565



AUCKLAND

31 Allright Place, Mt Wellington
Auckland 8010
Phone: (09) 570 2570
Fax: (09) 570 4064
Email: info@pggwrightsonturf.co.nz

PALMERSTON NORTH

15 Stewart Rd
Sanson 4479
Phone: (06) 323 0136
Fax: (06) 323 1058
Email: info@pggwrightsonturf.co.nz

CHRISTCHURCH

57 Waterloo Rd, Hornby
Christchurch, Canterbury 8042
Phone: (03) 372 8719
Fax: (03) 372 0836
Email: info@pggwrightsonturf.co.nz

