

The Importance of Seaweed Source

Choosing the correct source of seaweed is vital to producing a high quality product. Our seaweed is carefully selected from unpolluted, tidal seas. The tidal seas offer a source which results in a finished product which is higher in beneficial compounds. Tidal flow submerges and exposes the seaweed plants twice every day, causing them high levels of stress. Naturally, the plants build up internal

reserves of stress relieving compounds, which after processing remain in the product and can be applied to turf. Tidal seaweed also has increased nutrient content compared to other seaweeds grown in still/calm waters.

SEAWEED SOURCE BREAKDOWN	Compass Bio-Active	Compass Bio-Active OneShot	Compass Bio-Complete	Compass Start
Dry Matter	24.1%	48.2%	94%	33.0%
Organic Matter	18.25%	36.5%	77.5%	21.8%
Specific Gravity	1.1	1.24	1.1	1.25
pH	6.8	6.6	3.0	5.5
Carbohydrates				
Mannitol	3.27%	6.65%	0.52%	1.66%
Alginic Acid	4.52%	9.04%	1.65%	2.26%
Amino Acids				
Alanine	0.10%	0.003%	4.8 ppm	0.0068%
Arginine	0.35%	0.003%	6.0 ppm	0.0226%
Aspartic Acid	0.24%	0.004%	9.3 ppm	0.0157%
Cystine	0.16%	0.001%	1.5 ppm	0.0101%
Glutamic Acid	0.63%	0.006%	140 ppm	0.0409%
Glycine	0.16%	0.005%	45 ppm	0.0101%
Trimethylglycine	2.00%	-	-	-
Isolucine	0.12%	0.002%	9.0 ppm	0.0077%
Histidine	0.04%	0.001%	12 ppm	0.0028%
Leucine	0.16%	0.004%	24 ppm	0.0101%
Lysine	0.14%	0.001%	6.2 ppm	0.0094%
Methionine	0.02%	0.0003%	1.6 ppm	0.0010%
Phenylalanine	0.11%	0.003%	3.8 ppm	0.0070%
Proline	0.23%	0.006%	42 ppm	0.0150%
Serine	0.30%	0.007%	1.2 ppm	0.0149%
Threonine	0.30%	0.003%	6.0 ppm	0.0196%
Tyrosine	0.05%	0.001%	2.6 ppm	0.0034%
Valine	0.17%	0.003%	0.42 ppm	0.0110%
Total Amino Acids	5.21%	0.053%	315.42 ppm	0.2088%