



**CIRCULAR
PROTEIN**
Better nutrition • Better planet



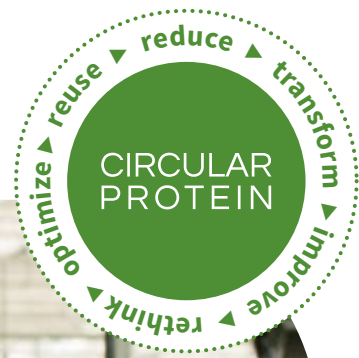
Bio fertilizer soil activator high efficiency

improve productivity in a
sustainable and friendly.

improves
the physical
structure of
the soil

Salmon
by product

Water use
efficiency



H-Landes Soil

H-Landes Soil is a fertilizer / bio stimulant produced from by-products of the salmon industry through the enzymatic hydrolysis process under controlled conditions and subsequent spray drying, which guarantees the solubility, homogeneity and stability of the product.

H-Landes Soil It has a high content of fulvic acids, high quality polypeptides, macro and micro nutrients.

H-Landes Soil contains a significant low molecular weight fraction of 200 to 300 Da which ensures root and stomatal absorption.

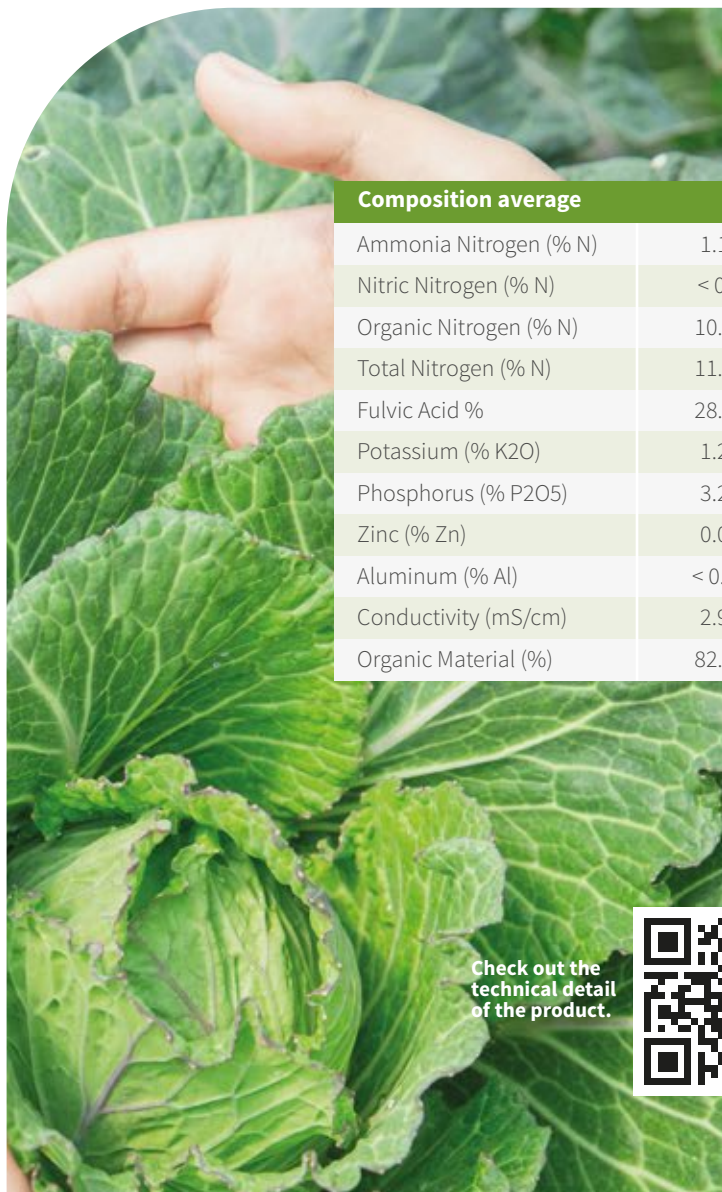
H-Landes Soil contains over 82% OM (organic matter) of non-humic origin; Active organic matter corresponds to the

fraction of the total organic matter that is easier to decompose, also known as the “labile fraction”. This fraction provides most of the energy in the microorganisms and a large part of the mineralizable nitrogen. In addition, it is responsible for beneficial effects on the soil structure (aeration, water infiltration, resistance to erosion and ease of tillage). It constitutes an indicator of the dynamics of the soil and its quality, since a good microbial activity is the consequence of optimal physical and chemical conditions that allow the development of metabolic processes of bacteria, fungi, algae and actinomycetes and of its action on the decomposition of organic substrates.

H-Landes Soil Being a powder product and with humidity <5%, it allows excellent storage and logistics.

Crops	Dose	Forms of application
Potato	5 - 10 lb / Acre / crop	<ul style="list-style-type: none"> Once you see it emerged, you apply after 12 days. Divide the dose in each week of irrigation (2 - 5 lb / Acre / week). For low density soils increase the dose.
Blueberries, raspberries, strawberries, blackberries, cranberry	25 - 33 lb / Acre / crop	<ul style="list-style-type: none"> Once sprouting has begun, apply throughout the vegetative cycle of the crop. Divide the dose in each watering week 10-12 lb / Acre / week. For low density soils increase the dose.
Citrus (lemons, orange, mandarin, clementine), apple trees, pears, quinces; plums, peaches, cherry trees; avocados, olives, pomegranates, kiwis, nuts (walnuts, almonds, hazelnuts); vines (viniferous, table)	10 - 50 lb / Acre / crop	<ul style="list-style-type: none"> Started from sprouting, throughout the vegetative cycle of the crop. Divide the dose in each watering week (11-22 lb / Acre / week). For low density soils increase the dose.
Fruit vegetables (cucumber, tomato, pepper, melon, watermelon). Leafy vegetables (lettuce, cabbage, chard, celery). Bulb vegetables (onion, carrot, beet, chicory, radish)	15 - 30 lb / Acre / crop	<ul style="list-style-type: none"> Once emerged, apply at 12 days. Divide the dose in each week of irrigation (5 - 10 lb / Acre / week). For low density soils increase the dose.

**The company is not responsible for the mishandling of the product, the doses are referential, always consult with your advisor.*



Composition average	
Ammonia Nitrogen (% N)	1.19
Nitric Nitrogen (% N)	< 0.1
Organic Nitrogen (% N)	10.31
Total Nitrogen (% N)	11.65
Fulvic Acid %	28.34
Potassium (% K2O)	1.26
Phosphorus (% P2O5)	3.21
Zinc (% Zn)	0.02
Aluminum (% Al)	< 0.01
Conductivity (mS/cm)	2.91
Organic Material (%)	82.91




Check out the technical detail of the product.

Amino acids	AA Total	AA Free
Aspartic acid(g/100)	7,045	1,174
Serine (g/100)	2,171	0,561
Glutamic acid (g/100)	6,973	1,375
Glycine (g/100)	3,297	0,526
Hystidine (g/100)	1,9	0,542
Arginine (g/100)	3,636	1,129
Threonine (g/100)	2,396	0,742
Alanine (g/100)	2,808	0,731
Proline (g/100)	2,197	0,615
Cystine (g/100)	0,507	0,081
Tyrosin (g/100)	1,972	0,689
Valine (g/100)	3,016	0,689
Methionine (g/100)	1,58	0,717
Lysine (g/100)	5,517	1,356
Isoleucine (g/100)	3,557	0,677
Leucine (g/100)	3,786	1,54
Phenylalanine (g/100)	2,135	0,818
Tryptophan (mg/Kg)	4,59	4,2
Hidroxi proline(g/100g)	0,653	0,01
Taurine (g/100g)	2,283	0,252
Total	62,019	18,424

RECOMMENDATIONS FOR USE / H-LANDES SOIL



Apply through the technical irrigation system.



Let 48 hours pass. No risk after application.



Dilute before injecting to fertigation. Zero foam production.



Apply the product only without mixing it with other products.



Product, **non-toxic** for people or animals. Non corrosive.



Keep the product stored in a dry place. Once opened, use completely.