

# TECHNICAL DATA SHEET

**Product Name / Trade Name:** ICELANDIC SEA KELP EXTRACT POWDER

**Raw Material (Derived from):** Ascophyllum Nodosum

**Manufacturing Process:** Ascophyllum Nodosum → Proprietary alkali liquid extraction in agitation tank → initial screening to separate insoluble material from liquid humic concentrate → Additional filtration & screening → Liquid concentrate transferred to spray dryer to produce 100% soluble powder → Quality control testing

**Composition / Analysis:**

Sea Kelp content:	95%
Cytokines:	2%
Auxin:	3%
pH:	8-9

Nutrient	Nitrogen % N	Available % P <sub>2</sub> O <sub>5</sub>	Potash % K <sub>2</sub> O	Calcium % Ca	Magnesium % Mg	Copper % Cu	Zinc % Zn	Iron % Fe	Boron % B
Percentage	1%	0.1%	15%	2%	0.3%	0.001%	.06%	0.4%	0.07%

**Harmful ingredients:** None

**Finished product:** Fine solid black/brown powder

**Mixing instructions / reconstitution:**

- 1) Mix 1 lb. (0.5 kg.) **SEA KELP POWDER** in 1 gallon (5 liters) of water.
- 2) Agitate/dissolve **SEA KELP POWDER** in water.
- 3) Further dilute with 25 gallons (100 liters) of water prior to application.
- 4) Apply diluted **SEA KELP POWDER** liquid solution to soil in fall and early spring with as many as 4 applications per grow season.

**Application rate (Dry and Liquid):**

**Agronomic Crops** – 1-3 lbs. **SEA KELP POWDER** per acre (1 kg. **SEA KELP POWDER** per hectare). Apply 25-75 gallons diluted **SEA KELP POWDER** per acre (100 liters diluted **SEA KELP POWDER** liquid solution per hectare)

**Turf** – 3-5 lbs. **SEA KELP POWDER** per acre (1-2 kg. per hectare). Apply 75-125 gallons per acre (100-200 liters diluted **SEA KELP POWDER** per hectare)

**Storage:** Store in a cool and moisture-free location.