

Impact S

Impact F

Impact Biologicals

- Stabilized Biological complex derived from natural (land and sea) plant compounds
- Extracted through patented extraction and fermentation process
- Contains key enzymes and amino acids for plant development
- Contains most all trace minerals
- High Level of betaines
- Sugar alcohols (manitol) and carbohydrates (e.g laminarin) essential foods for microbes
- Optimized level of free exchange oxygen
- Growth Hormones - Auxin, Gibbererellin, Cytokinin
- Available in both Soil and Foliar formulations

Fall Snap Beans
Alligator River Growers
October 2009

Treatment	Area	Weight	Lb/Acre
Check	0.32	1080#	8181
Impact F (Applied 9/15)	0.27	2360#	8740
GreenSol Applied 9/15 & 9/25	0.27	2160#	8000
SoySoap (Applied 9/25)	0.27	2120#	7852

559 lb. Yield Increase over Check

Foliar Impact Program – Tomatoes
1998

Treatment	Yield (Ton/acre)
Check	18.8
8-20-4	19.5
9-18-9 + 3-18-18	23.2
6-24-6 + 0-0-25 + Impact @ 8oz/acre	26.3

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Impact Partial Analysis*:

Ag	Silver	0.000085	Mn	Manganese	0.0013
Al	Aluminum	0.0208	Mo	Molybdenum	0.00015
B	Boron	0.005	N	Nitrogen	2.246
Ba	Barium	0.0012	Ni	Nickel	0.0013
Ca	Calcium	4.8	P	Phosphorus	0.35
Co	Cobalt	0.0004	Pb	Lead	0.0098
Cr	Chromium	0.0007	S	Sulfur	0.88
Cu	Copper	0.048	Sb	Antimony	0.0174
F	Fluorine	0.0155	Se	Selenium	0.0077
Fe	Iron	0.014	Si	Silicon	0.308
Hg	Mercury	0.000004	Sn	Tin	0.00008
I	Iodine	0.23	Sr	Strontium	0.0427
K	Potassium	7.9	U	Uranium	0.000092
Li	Lithium	0.011	V	Vanadium	0.00154
Mg	Magnesium	1.00	Zn	Zinc	0.0084

*Values given as % on Solids

Also contains the following:

Satabilized Oxygen (O₂)
Vitamins B1, B2, B12, E, K
Riboflavine, Niacin, Choline, Beta Carotene
Pantothenic Acide, Folic Acid, Folinic Acid, Alginic Acid
Auxin, Gibberellin, Cytokinin

Amino Acids Analysis (umoles/liter):

CYS	Cysteine	27.14	B-ALA	Beta-Alanine	35.88
ASP	Aspartic Acid	1318.36	ALA	Alanine	1857.34
GLU	Glutamic Acid	1043.28	TRY	Tryptophan	463.22
ASN	Asparagine	1.06	MET	Methionine	440.22
SER	Serine	3436.84	VAL	Valine	1159.2
HIS	Histidine	211.6	PHE	Phenylalanine	621.92
GLY	Glycine	1997.32	ILE	Isoleucine	768.2
THR	Threonine	1081.46	LEU	Leucine	1252.59
ARG	Arginine	1388.96	ORN	Ornithine	867.56
TAU	Taurine	912.18	LYS	Lysine	42.32

In addition, IMPACT S contains 12 types of aerobic and anaerobic bacteria



Benefits

- Improve biological activity of the soil
- Improve chemical and fertilizer efficiency
- Increased Brix levels (natural plant sugars)
- Improve soil tilth, CEC, and water holding capacity
- Increased plant photosynthesis
- Increased plant health – greater disease resistance (SAR elicitor materials)
- Root development
- Increased fruit set
- Crop yield and quality

