

# Crop Services International

## Organic Garden/Landscape Program



(Note: Gardens include flowers, vegetables, fruit, berries, in ground, containers or raised beds)

CSI's goal is to grow high energy, nutrient dense foods. Whether from sustainable (beneficial to soil, micro-organisms & plant) or organic sources, mineral and microbe levels are key. Our approach is to supply and balance soil minerals while inoculating and stimulating microbes - both in the soil and on the leaf - multiple times throughout the growing season. Soil testing identifies mineral needs/ imbalances. CSI recommends products with food sources - fish, kelp, molasses - that have proven results in a vast array of growing operations, crops and climates.

(1000 sq. ft. = 20 rows 2 ft. wide and 25 ft. long (or similar) - roots grow 12 inches or more out all sides)

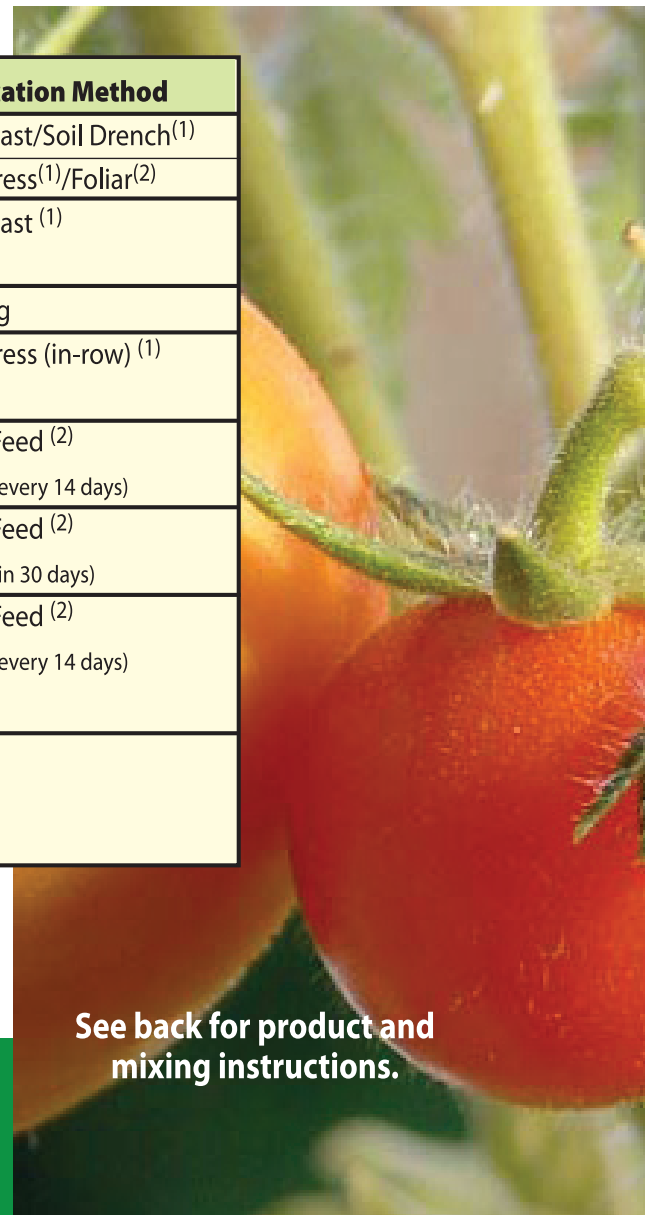
Growth Stage	Product	Amount/1000 sq. ft.	Application Method
Base Liquid Application	Fish, Kelp, Molasses	1 cup, 1 tsp, 1 cup	Broadcast/Soil Drench <sup>(1)</sup>
		½ cup, 1 tsp, ½ cup	Side Dress <sup>(1)</sup> /Foliar <sup>(2)</sup>
Prior to Planting <i>(Spring or Fall)</i>	Complete	2 Tbsp.	Broadcast <sup>(1)</sup>
	Mineral Amendments	Per Test Recommendations	
Seed Starting Or Transplanting	Premium Seed Treatment	Enough to coat seeds	Dusting
Planting	Bioplin	1 tsp of each	Side Dress (in-row) <sup>(1)</sup>
	NutriTech		
Growth <i>(2 weeks after transplant)</i>	Growth Plus	1 tsp of each	Foliar Feed <sup>(2)</sup>  (Repeat every 14 days)
	NutriFoliar		
Mid-Summer <i>(plants beginning to blossom)</i>	Bloom Plus	1 tsp of each	Foliar Feed <sup>(2)</sup>  (Repeat in 30 days)
	NutriFoliar		
Late Summer <i>(plants are filling fruit)</i>	Jackpot Plus	1 tsp of each	Foliar Feed <sup>(2)</sup>  (Repeat every 14 days)
	K-35		
	NutriFoliar		
<div><div>(1) Mix with 4-5 gallons of water with fish, kelp and molasses</div><div>(2) Mix with 1-2 gallons of water (or amounts necessary to get adequate coverage) with fish, kelp and molasses</div></div>			

**Lawn Suggestion:** NEW OR ESTABLISHED LAWNS per 1000 sq. ft. (apply 4 - 6 times throughout the growing season)

<b>Growth Plus</b>	<b>2 Tbsp.</b>	<b>Soil Drench<sup>(1)</sup></b>
<b>Complete</b>	<b>2 Tbsp.</b>	<b>Soil Drench<sup>(1)</sup></b>

**NOTE:** The above programs should work well for most soils. This entire program would qualify as certified organic if certification is desired. The base for each liquid application is fish, kelp and molasses (foods that stimulate beneficial soil and foliar microbes). These will boost the efficacy of each of the products listed above.

See back for product and mixing instructions.



## PRODUCTS:

Items listed below are mineral and/or microbe products offered through CSI. Most are dry soluble products and intended to be liquefied with water, fish, kelp and molasses and then applied to soil, foliage, or both

**Organo Fish 4-1-1** – a liquid fish product consisting of whole ocean fish

**Fish Alive 10-2-1** – a dry soluble product consisting of micronized fish and crab meal

**Soluble Kelp** – dry soluble product consisting of micronized kelp, loaded with trace minerals

**Icelandic Kelp** – liquid pure kelp (not an extract) with yucca, loaded with trace minerals

**Molasses** – use only unsulfured blackstrap molasses (source locally)

**Premium Seed Treatment** – a dry biological product which includes Mycorrhizae, used on seeds to promote healthy germination

**Complete** – a dynamic biological product with a full range of microbes, plus Calcium, Phosphorus, Potassium and Sulfur

Intended to be liquefied and applied to the soil and/or to the plant as a foliar

**Bioplin** – a liquid biological consisting of a strain of bacteria that fixes Nitrogen in the soil

**NutriTech** – a liquid biological consisting of a strain of azotobacter that releases Phosphorus in the soil

**Growth Plus** – a dry soluble mineral and microbe product designed to promote growth by enhancing photosynthesis

**NutriFoliar** – a liquid biological consisting of a strain of bacteria that fixes Nitrogen on the leaf surface

**Bloom Plus** – a dry soluble product designed to keep plant in bloom stage until set and secure

**Jackpot Plus** – a dry soluble mineral and microbe product designed to move stored nutrition to seed and fruit

**K-35** – a dry soluble mineral to enhance available Potassium and Sulfur, great for (cucumbers, squash, melons)



## EXPLANATION OF TERMS:

**Broadcast** - spread over entire soil surface, liquid and/or dry.

**Soil Drench** - apply liberally either broadcast or in-row with lots of water to wash down to the roots.

**Side Dress (In-row)** - spray or water in along the seed or plant row. Broadcast gives general coverage; In-row gives more specific coverage.

**Foliar Feed** - apply by sprinkling or spraying a nutrient and/or microbe solution directly on the foliage (leaves, fruit, stalk) for immediate plant uptake. Apply liberally to both sides of the leaf. Early morning or late afternoon **during cooler temperatures is best.**

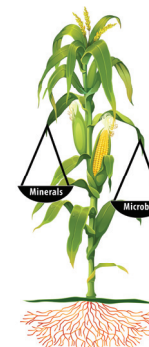
## MIXING INSTRUCTIONS:

1. For best results: fill sprayer, or bucket with water until  $\frac{1}{2}$  full. Add fish, kelp, molasses and recommended products. Shake or stir until mixed. Add more water until tank is full and shake again to thoroughly mix. Use compost tea brewer to mix products (added "air" will enhance the microbes).
2. If using a sprayer to apply liquid, remove any filters to prevent clogging.
3. Thoroughly rinse out mixer, spray tanks, watering cans when finished.

**Liquid applications of minerals and microbes are a very efficient method of providing plants good mineral nutrition. If you love being in your garden, then these liquids are a good excuse to be there!**



# ORGANIC



For questions, concerns or comments  
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