

CROP FERTILITY PROGRAM¹



Harvesting Nature's Science™

ALMONDS



MICRO CARBON TECHNOLOGY
Delivering Nature's Science™

Transplants

Seeding Dip,
Root Drench
or Banded

ZAP®
1 - 2 qt
Per Acre

+

VITOL®
1 - 2 pt
Per Acre

+

START-L™
.5 - 1 pt
Per Acre

Soil Application²

Bio-
Activator⁴

ZAP®
1 - 2 gal
Per Acre

+ / OR

FERTIL HUMUS®
1 - 2 qt
Per Acre

Bulk
N-P-K⁵

SUPER NITRO®
up to 10 gal
Per Acre

+ / OR

SUPER PHOS®
up to 5 gal
Per Acre

+ / OR

SUPER K™
up to 3 gal
Per Acre

Foliar Application³

Stage I
Bud
Break

BREAKOUT®
2 - 4 qt
Per Acre

+

HG Nutrients
as needed
from Analysis
below

Stage II
Early to
Full Bloom

BREAKOUT®
2 - 4 qt
Per Acre

+

HG Nutrients
as needed
from Analysis
below

Stage III⁶
Nut
Filling

GOLDEN GRO™
2 - 4 qt
Per Acre

+

HG Nutrients
as needed
from Analysis
below

Stage IV
Pre-Harvest
14-21 days

JACKPOT®
2 - 4 qt
Per Acre

+

CALCIUM
1 - 2 qt
Per Acre

+

HG Nutrients
as needed
from Analysis
below

Post Harvest

Bio-
Activator

SOIL-MAX™
1 - 2 qt
Per Acre

+

BORO-MAX®
1 cup - 1 pt
Per Acre

+

Z-MAX®
1 - 2 qt
Per Acre

FOLIAR NUTRIENT RECOMMENDATIONS BASED ON ANALYSIS

Instructions for Treating Foliar Nutrient Deficiencies	In Percentages						In Parts Per Million				
	N	P	K	Ca	Mg	S	Fe	Zn	Mn	Cu	B
Sufficiency Level Growth Stage I	3.20	.32	2.56	2.56	.32	.32	130	37	60	16	42
Sufficiency Level Growth Stage II	3.80	.38	3.04	3.04	.38	.38	130	37	60	16	42
Sufficiency Level Growth Stage III	3.40	.34	3.04	3.04	.34	.34	130	37	60	16	42
Sufficiency Level Growth Stage IV	3.00	.30	3.00	3.00	.30	.30	130	37	60	16	42
Minus (-) Lab Foliar Analysis ⁷											
Equals (=) Amount Deficient											
Divided (/) by Deficiency Factor	/.10	/.008	/.075	/.025	/.025	/.01	/2.5	/2.5	/2.5	/1	/2.5
Multiplied (*) by 75	*75	*75	*75	*75	*75	*75	*75	*75	*75	*75	*75
Equals (=) Recommended Application Rate in Milliliters per Acre ⁸											
Multiply (*) by Number of Acres (X) Divided (/) by 128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128	*X /128
Equals (=) Number of Liters needed for Treatment											
HUMA GRO® Product	SUPER NITRO	SUPER PHOS	SUPER K	CALCIUM	44 MAG	SULFUR	IRON	Z-MAX	MANGA-NESE	COPPER	BORON

NOTES:

- This is a standard program and may be expanded or abbreviated. Adjustments may be needed based on soil type, pH, environmental factors and personal experience.
- For soil-borne diseases or nematode problems, apply **PROMAX®** Crop Protection at 1-2 gallons per acre as needed.
- For foliar diseases, mites, or soft-bodied insects, apply **PROUD 3®** Crop Protection at 1-2 quarts per acre as needed.
- For maximum benefit, apply every 15-30 days during the growing season. For additional carbon source, consider using **HUMA GRO®** Organic Acid products.
- Application Rate based on needs identified by experience and Soil Analysis. Additional doses of these products may be foliar and/or soil applied during the growing season.
- Stage III can be applied every 7-10 days during "nut fill" to maximize yield & quality.
- If greater than sufficiency level, ignore. If excessive, call a **HUMA GRO®** Representative for assistance.
- If applied to the soil rather than to foliage, multiply these amounts by 2. If applied in band, or by drip irrigation, reduce the rate by the appropriate coverage percentage. Please ignore anything under 2 ounces per acre.