

NEB Use Guide

Large Farms, Mechanized Application

v36.15

VEGETABLES	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended.			
	DILUTION	Add to tank and dilute as needed for normal distribution rate.			
	APPLICATION		Short Season & Leafy Greens < 90 days	Longer Season > 90 days	
		Timing	6 weekly applications Apply first app one week after transplanting or emergence and continue with weekly apps	6 applications 3 apps during vegetative stage: 1 week after transplanting or emergence, 10 and 20 days later 3 apps during reproductive stage: Early flowering, 10 and 20 days later	
		Method	Foliar	Foliar	
		Rate, each app	3 – 6 oz/ac 200 – 400 ml/ha	3 – 6 oz/ac 200 – 400 ml/ha	
Note		For vegetables with multiple harvests, apply additional foliar apps after first or second harvest and 10 days later if crop value allows. For high value crops, apply the higher dosage if possible.			
NURSERY Commercial nursery seedling production	Apply 8 foliar applications, every other day, starting at sowing (sowing, 2, 4, 6, 8, 10, 12, 14 days). For sowing application spray on ground/soil medium after watering Dilution: 0.025 oz/gallon (0.2 ml/L)				

TREES & VINES	RECOMMENDATION	For best results, apply the first application of NEB at post-harvest Foliar is recommended and offers the greatest cost/benefit, but select the application option that is consistent with the grower's operation.			
	APPLICATION METHODS	Foliar spray or soil apply, adding NEB to drip line or irrigation systems. For soil apps, add NEB at the end of the irrigation cycle to avoid leaching in light soils.			
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended			
	DILUTION	Add to tank and dilute as needed for normal distribution rate.			
	APPLICATION		Option 1	Option 2	Option 3
		Timing	6 applications 1. Post-harvest 2. Early vegetative 3. Mid-vegetative or pre-flowering 4. Flowering 5. Fruit initiation 6. Fruit development	4 applications 1. Post-harvest 2. Early vegetative 3. Early flowering 4. Fruit initiation	4 applications 1. Post-harvest 2. Early vegetative 3. Early flowering 4. Fruit initiation
		Method	Foliar	Foliar	Soil applied
		Rate, each app	3 – 6 oz/ac 200 – 400 ml/ha	4.5 – 7.5 oz/ac 300 – 500 ml/ha	7.5 – 12 oz/ac 500 – 750 ml/ha
Note		For high value crops, apply the higher dosage if possible.			
FIELD TRANSPLANTING	To reduce transplant shock and mortality, and accelerate development, apply 3 weekly foliar applications starting at field transplanting Apply 3 – 4 oz/acre (200 – 300 ml/ha) each application, diluted as needed				
NURSERY Commercial nursery seedling production	Apply weekly nursery foliar applications starting at emergence until field planting Nurseries requiring over 6 months: Weekly foliar applications for the first 3 months, then every other month until field planting to reduce cost Dilution: 0.05 oz/gallon (0.375 ml/L) A small trial can be started using a backpack sprayer: 0.2 oz/4 gallon (6 ml/16 L)				

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POTATOES	RECOMMENDATION	Include in furrow as first application if possible. More frequent applications are helpful, but select the application option that is consistent with the grower's operation.						
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended						
	DILUTION	Add to tank and dilute as needed for normal distribution rate.						
	APPLICATION	1	Timing	Planting	2 weeks after emergence	Tuber Initiation	Tuber Development	Tuber Bulking
			Method	In furrow	Foliar	Foliar	Foliar	Foliar
			Rate	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha
		2	Timing		1 week after emergence	Tuber Initiation	Tuber Development	Tuber Bulking
			Method		Foliar	Foliar	Foliar	Foliar
			Rate		3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha
		3	Timing	Planting		Tuber Initiation		Tuber Bulking
			Method	In furrow		Foliar		Foliar
			Rate	3 oz/ac 200 ml/ha		6 oz/ac 400 ml/ha		3 – 6 oz/ac 200 – 400 ml/ha
		4	Timing		1 week after emergence	Tuber Initiation		Tuber Bulking
			Method		Foliar	Foliar		Foliar
			Rate		3 oz/ac 200 ml/ha	6 oz/ac 400 ml/ha		3 – 6 oz/ac 200 – 400 ml/ha

CORN (MAIZE)	RECOMMENDATION	Apply seed treat if possible. More frequent applications are helpful, but select the application option that is consistent with the grower's operation.					
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended					
	DILUTION	Add to tank and dilute as needed for normal distribution rate.					
	SEED TREAT	Seed treat: 2.7 oz/50 lb corn seed (3.5 ml/kg), blend until evenly distributed.					
	APPLICATION	1	Timing	Planting	V2 – V3	V6	V10 – V12
			Method	Seed treat	Foliar	Foliar	Foliar
			Rate	2.7 oz/50 lb 3.5 ml/kg	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha
		2	Timing		V2 – V3	V6	V10 – V12
			Method		Foliar	Foliar	Foliar
			Rate		3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha
		3	Timing	Planting		V6	
			Method	In furrow		Foliar	
			Rate	3 oz/ac 200 ml/ha		6 oz/ac 400 ml/ha	
		4	Timing	Planting		V6	
			Method	Seed treat		Foliar	
			Rate	2.7 oz/50 lb 3.5 ml/kg		6.5 oz/ac 450 ml/ha	

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ONIONS	RECOMMENDATION	Include in furrow as first application if possible, but select the application option that is consistent with the grower's operation.					
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended					
	DILUTION	Add to tank and dilute as needed for normal distribution rate.					
	APPLICATION	1	Timing	Planting	3 – 4 leaf	Bulb Initiation	Bulb Development
			Method	In furrow	Foliar	Foliar	Foliar
			Rate	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	6 oz/ac 400 ml/ha	0 – 3 oz/ac 0 – 200 ml/ha
		2	Timing	1 – 2 leaf	3 – 4 leaf	Bulb Initiation	Bulb Development
			Method	Foliar	Foliar	Foliar	Foliar
			Rate	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	6 oz/ac 400 ml/ha	0 – 3 oz/ac 0 – 200 ml/ha
		3	Timing	Planting	3 – 4 leaf	Bulb Initiation	Bulb Development
Method			Any soil app	Foliar	Foliar	Foliar	
Rate			4 oz/ac 275 ml/ha	3 oz/ac 200 ml/ha	6 oz/ac 400 ml/ha	0 – 3 oz/ac 0 – 200 ml/ha	

BEANS, LEGUMES	RECOMMENDATION	Include seed treat if possible. More frequent applications are helpful, but select the application option that is consistent with the grower's operation.						
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended						
	DILUTION	Add to tank and dilute as needed for normal distribution rate.						
	SEED TREAT	Seed treat: 1.2 oz/50 lb bean seed (1.5 ml/kg), blend until evenly distributed						
	APPLICATION OPTIONS	1	Timing	Planting	V2-V3	R1	R3	R5
			Method	Seed treat	Foliar	Foliar	Foliar	Foliar
			Rate	1.2 oz/50 lb 1.5 ml/kg	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha
		2	Timing	V2-V3	V6	R1	R3	R5
			Method	Foliar	Foliar	Foliar	Foliar	Foliar
			Rate	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha	0.75 oz/ac 50 ml/ha
3		Timing	Planting		R1			
		Method	In furrow		Foliar			
		Rate	3 oz/ac 200 ml/ha		6 oz/ac 400 ml/ha			

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RICE	RECOMMENDATION	Foliar is recommended and offers the greatest cost/benefit, but select the application option that is consistent with the grower's operation. For soil applied, blending NEB on granular fertilizer works well if blending equipment is available.				
	COMPATIBILITY	Apply with existing foliar apps, including agrichemicals. NEB is compatible with chemicals and fertilizers with no loss of efficacy, first time use jar test recommended				
	DILUTION	Add to tank and dilute as needed for normal distribution rate.				
	APPLICATION	1	Timing	6 inch (15 cm) seedling	Tillering	Panicle Initiation
			Method	Foliar	Foliar	Foliar
			Rate	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha	3 oz/ac 200 ml/ha
		2	Timing	6 inch (15 cm) seedling	Tillering	Panicle Initiation
			Method	Soil applied	Soil applied	Soil applied
			Rate	3 oz/ac 200 ml/ha	6 oz/ac 400 ml/ha	6 oz/ac 400 ml/ha