kelp blue

RE-WILDING THE OCEANS

MACROCYSTIS BIOSTIMULANT

STIMPLUS+

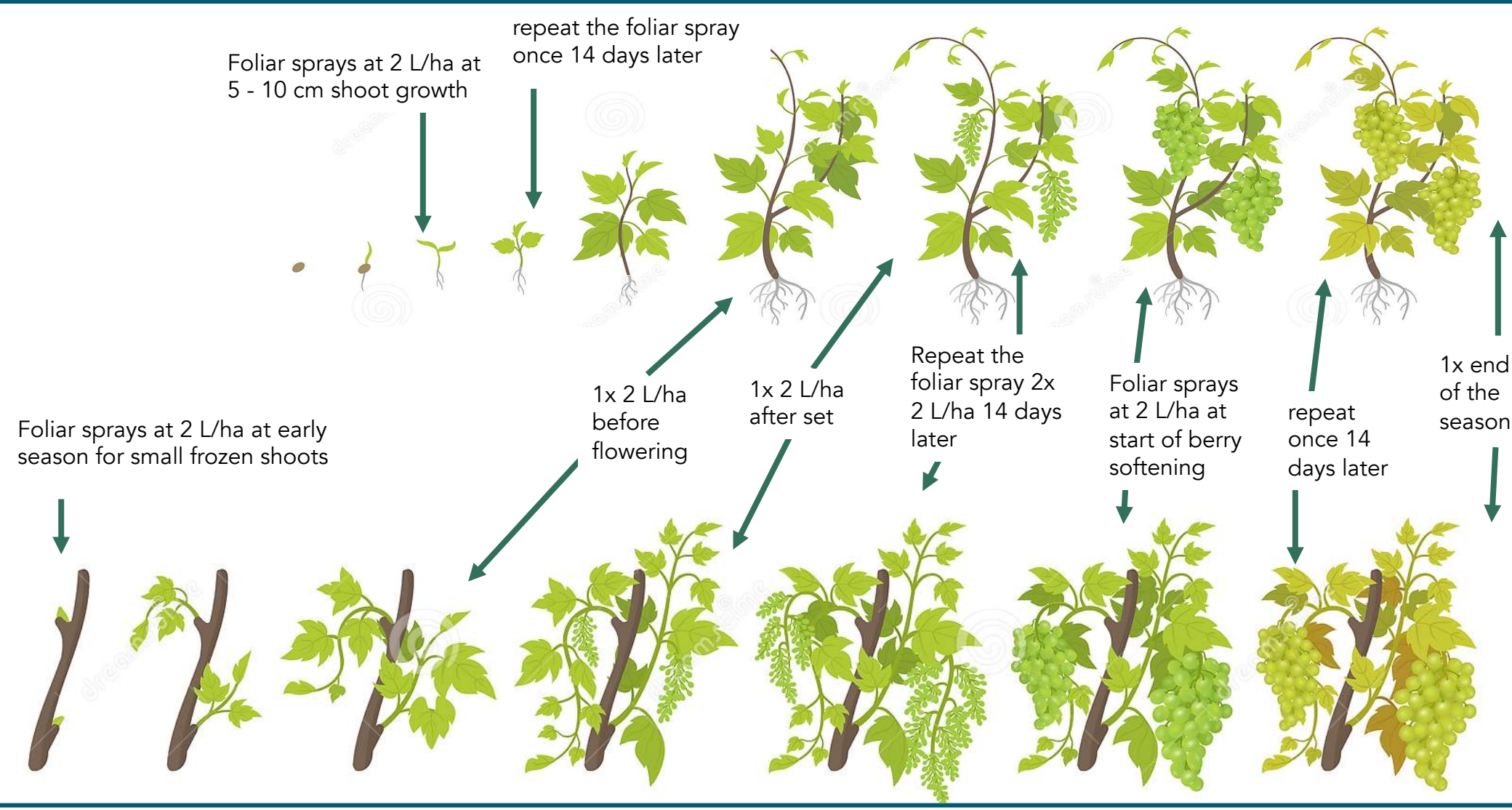
Dosage and recommendation for use

February 2022

GRAPES

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Grapes	2 L/ha Seed: 1% Foliar: 0.3%	• Foliar sprays at 2 L/ha at 5 - 10 cm shoot growth (repeat the foliar spray once 14 days later) OR • Foliar sprays at 2 L/ha at early season for small frozen shoots	Improve plant establishment, increase root development, early growth and bunch stretching & allows to fight against frost
		• 1x 2 L/ha before flowering	To lengthen the cluster and improve the rachis & shoot growth. Bigger rachis with more grain
		• 1x 2 L/ha after set (repeat the foliar spray 2x2 L/ha 14 days later)	Increase berry size + quality and homogenise berries in cluster
		• Foliar sprays at 2 L/ha at start of berry softening • repeat once 14 days later	Improve colour and/or finish & sugar content
		• 1x 2 L/ha end of the season	Support the 2nd root flush growth to increase root tip numbers and improve nutrient uptake for reserves

GRAPES


Foliar sprays at 2 L/ha at
5 - 10 cm shoot growth
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1x 2 L/ha
before
flowering
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Repeat the
foliar spray 2x
2 L/ha 14 days
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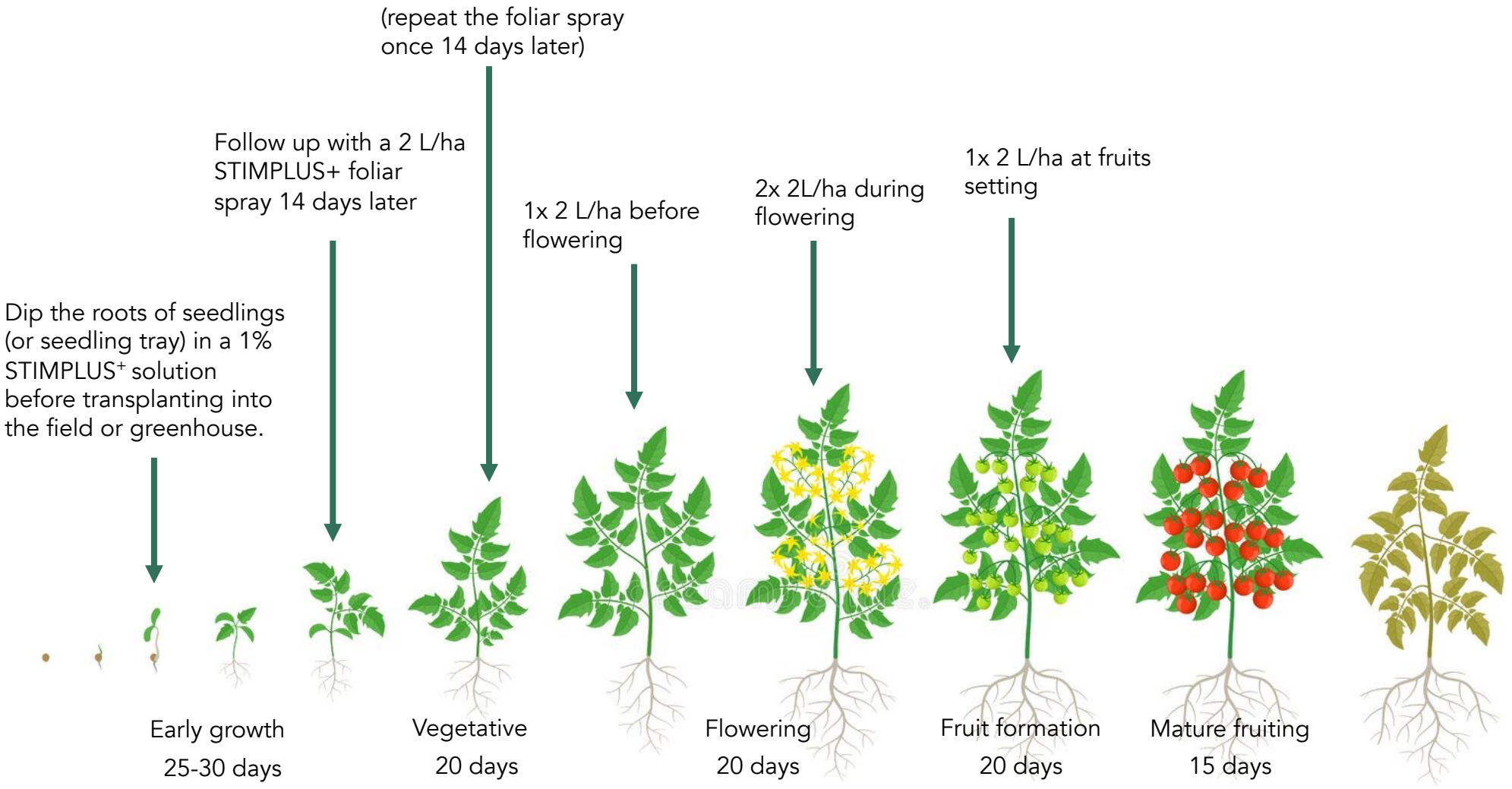
of the
season

VEGETEBLE CROPS WHOSE FRUITS ARE HARVESTED

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Tomatoes cucumbers eggplants watermelons cantaloupes pumpkin squash gourds Pepper	2 L/ha Seed: 1% Foliar: 1%	• Dip the roots of seedlings (or seedling tray) in a 1% STIMPLUS⁺ solution before transplanting into the field or greenhouse.	Improve plant establishment & reduce transplant shock
		• Follow up with a 2 L/ha STIMPLUS⁺ foliar spray 14 days later and repeat the foliar spray once or twice at 14-day intervals	Promote root growth
		• 1x before flowering	Improve fruit set
		• 2x during flowering	Increase fruit set & size
		• 1x at fruits setting	Increase fruit size

VEGETEBLE CROPS WHOSE FRUITS ARE HARVESTED



VEGETEBLE CROPS WHOSE LEAVES, STALKS ARE HARVESTED

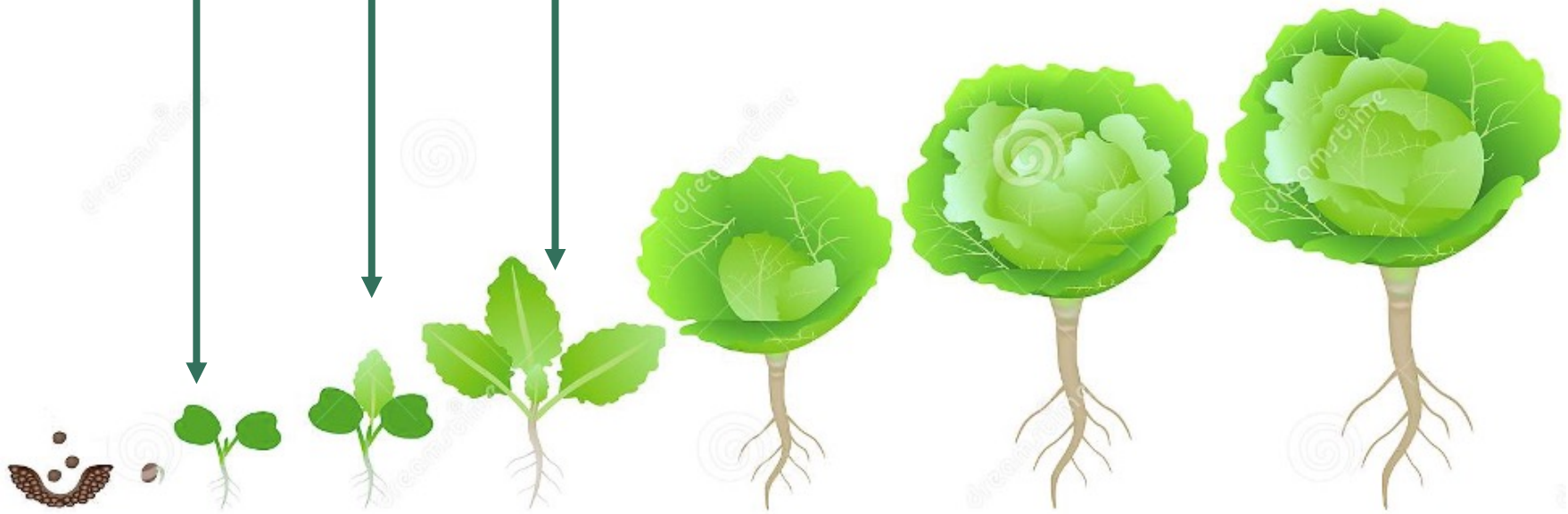
CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Lettuce artichokes asparagus cabbages cauliflowers broccoli spinach chicory	2 L/ha Seed: 1% Foliar: 1%	• Dip the seedling tray roots or roots of plants from seedbed in a 1:100 dilution before plant-out OR • Start with foliar application at 3 to 4-leaf stage for direct seeded crops.	Improve plant establishment & reduce transplant shock
		• spray 2 L/ha 14 days after plant-out and repeat once at 14 day intervals.	Promote root growth and leaves size and quality
		• Do not spray after button formation	

VEGETEBLE CROPS WHOSE LEAVES, STALKS ARE HARVESTED

Dip the seedling tray roots or roots of plants from seedbed in a 1:100 dilution before plant-out

Follow up with a 2 L/ha STIMPLUS+ foliar spray 14 days later

Repeat once at 14 day intervals



VEGETABLE CROPS WHOSE ROOTS, TUBERS AND BULBS ARE HARVESTED

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Carrots turnips garlic onions shallots leeks beetroot ginger radish & Mushrooms/truffles	1-2 L/ha Seed: 2% Foliar: 1%	• For garlic: soak seed pieces at 2% STIMPLUS⁺ dilution for 15 minutes before planting.	Improve plant establishment & reduce transplant shock
		• Spray 1-2 L/ha : Spray at 3 leaf stage and repeat application 14 days later	Promote root, tubers and bulbs growth
		• Spay 1-2 L/ha at beginning of root enlargement / beginning swelling of the bulb and repeat the application 14 days later	Promote root, tubers and bulbs size and quality

VEGETABLE CROPS WHOSE ROOTS, TUBERS AND BULBS ARE HARVESTED

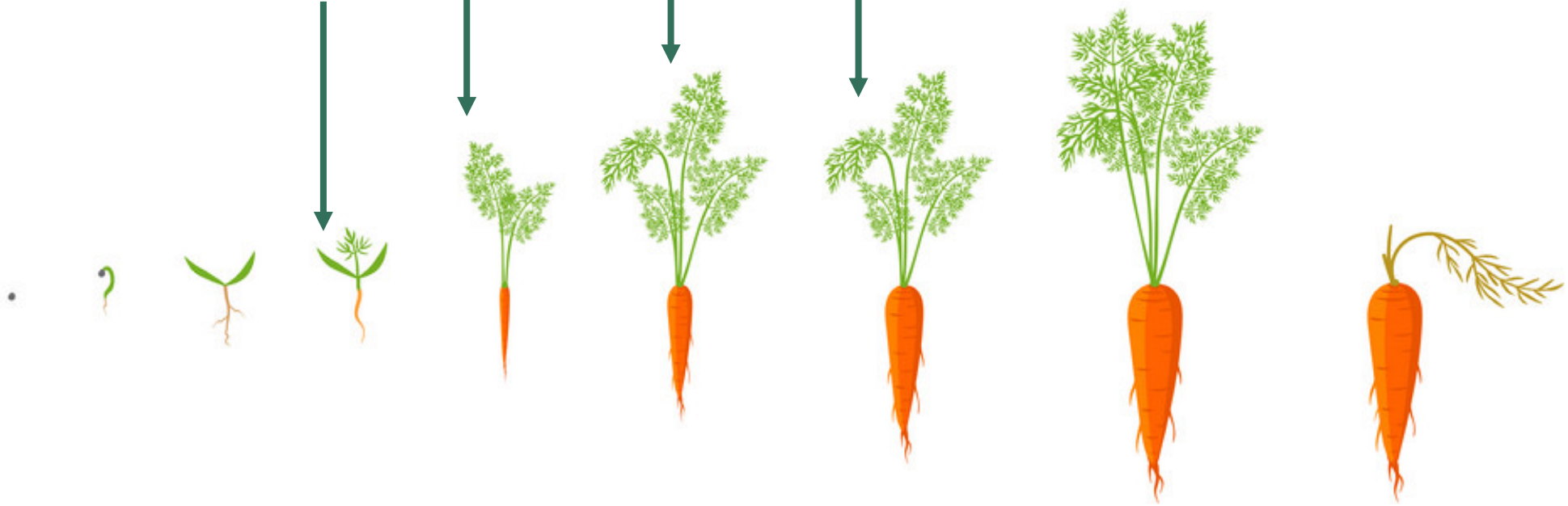
For garlic: soak seed pieces at 2% STIMPLUS+ dilution for 15 minutes before planting.

Spray 1-2 L/ha :
Spray at 3 leaf stage

repeat the application
14 days later

Spay 1-2 L/ha at beginning of root
enlargement / beginning swelling of the bulb

repeat the application
14 days later



CEREALS (Winter and Summer crops)

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Wheat Barley Oats Sorghum Rice Canola	1-2 L/ha Seed: 2% Foliar: 1%	• Seed dressing Apply 3-5 ml/kg seed prior to planting OR • In-furrow 0.75-1 L/ha applied as band spray	Improve seedling growth
		• 1 to 2 L/ha STIMPLUS+ foliar spray during vegetative growth (2 leaves to beginning of tillering)	Improve plant growth

CEREALS

1 L/ha STIMPLUS+ foliar spray during vegetative growth (2 leaves to beginning of tillering)

Seed dressing Apply 3-5 ml/kg seed prior to planting
or
In-furrow 0.75-1 L/ha applied as band spray

MAIZE

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Maize	1-2 L/ha Seed: 1% Foliar: 1%	• Seed dressing Apply 3-5 ml/kg seed prior to planting OR • In-furrow 0.75-1 L/ha applied as band spray	Improve seedling growth
		• Post planting (3-5 leaf): foliar spray of 1x 1L/ha	Improve seedling growth
		• Follow up with a 1 to 2 L/ha STIMPLUS+ foliar spray during vegetative growth	Improve plant growth
		• Repeat the 1-2 L/ha foliar spray once 14 days later	Improve plant growth

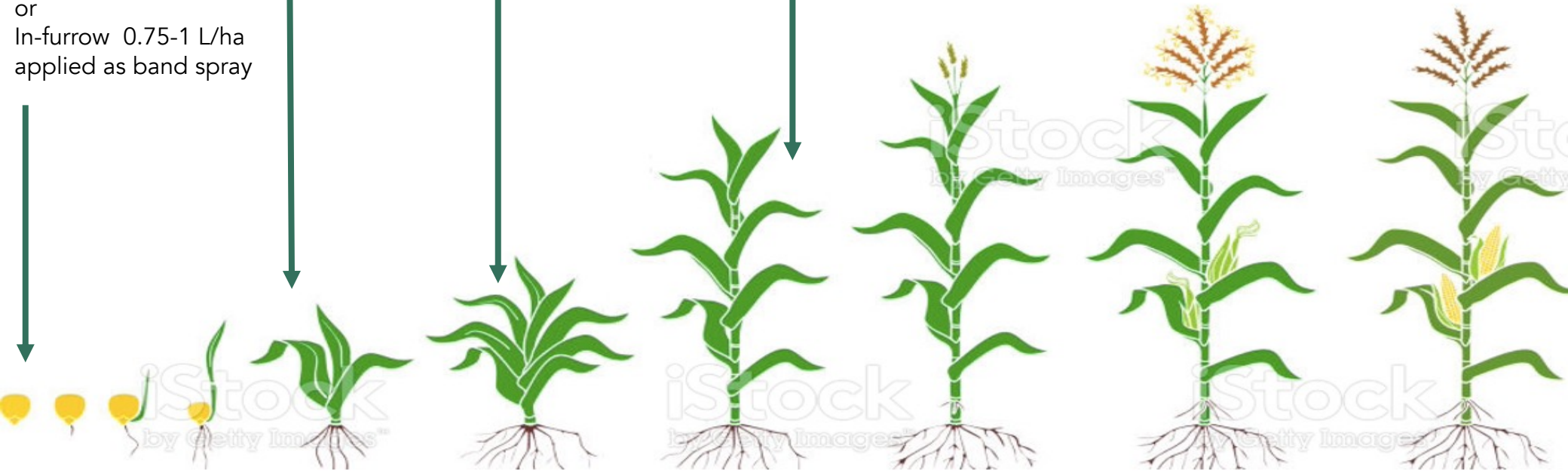
MAIZE

Seed dressing Apply 3-5 ml/kg seed prior to planting
or
In-furrow 0.75-1 L/ha applied as band spray

Post planting (3-5 leaf): foliar spray of 1x 1L/ha

Follow up with a 1 to 2 L/ha STIMPLUS+ foliar spray during vegetative growth

Repeat the 1-2 L/ha foliar spray once 14 days later



NUTS

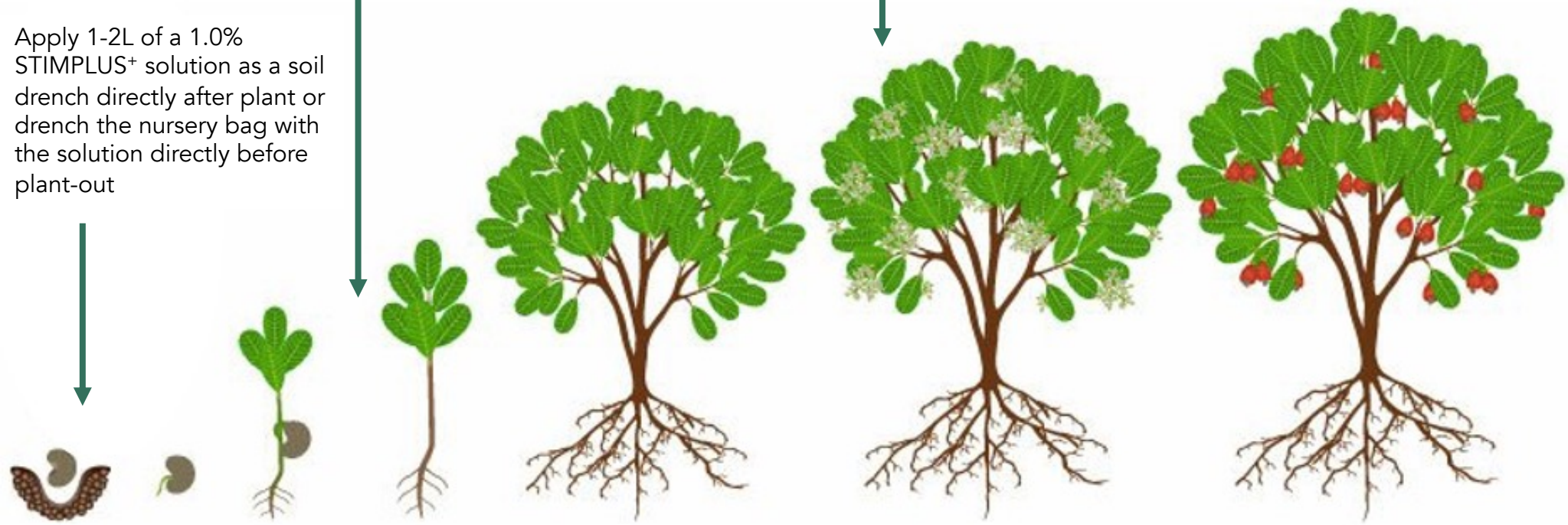
CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Walnut Pecan Cashew Pistachio Almond Coconut	1-2 L/ha Seed: 0.5% Foliar: 0.2%	• Tree establishment: Apply 2 L of a 0.5% STIMPLUS⁺ solution as a soil drench directly after plant-out OR • Drench the nursery bag with the solution directly before plant-out	Improve plant establishment, increase root development & allows to fight against stresses
		• Follow up with foliar sprays of 1-2 L/ha STIMPLUS⁺ per 100 L water with 3-to-4-week intervals during early growth	Improve plant establishment, increase root development & allows to fight against stresses
		• Apply a 0.2% STIMPLUS⁺ solution (200 ml STIMPLUS⁺ per 100 L water) 5 times as a full coverage foliar spray, starting at the beginning of bloom, repeated at 4-5 week intervals	Increase fruit set and size and fruit quality

NUTS

Apply a 0.2% STIMPLUS+ solution 5 times as a full coverage foliar spray, starting at the beginning of bloom, repeated at 4-5 week intervals

Follow up with foliar sprays of 1-2 L/ha STIMPLUS+ per 100 L water with 3-to-4-week intervals during early growth

Apply 1-2L of a 1.0% STIMPLUS+ solution as a soil drench directly after plant or drench the nursery bag with the solution directly before plant-out



POME FRUITS AND STONE FRUITS

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Apples pears haw quince apricots cherries Peaches Plums sloes	2 L/ha Seed: 1% Foliar: 0.3%	• Tree establishment: dip bare roots of nursery trees in 1% STIMPLUS⁺ solution directly before plant-out.	Improve plant establishment, increase root development & allows to fight against stresses
		• For better tree development apply foliar sprays of 250 ml STIMPLUS⁺ per 100 L of water (0.25%) with foliar sprays during early growth	Improve plant establishment, increase root development & allows to fight against stresses
		• Foliar sprays of 2 L/ha at pink/white bud to 50% bloom	Increase fruit set and fruit retention
		• Apply 2 L/ha during early stage fruit setting	Improve fruit size and quality parameters
		• Apply 2L/ha 14 days later during coloring at maximum sizing stage	Increase quality parameters
		• Post harvest: spray STIMPLUS⁺ at 0.2% for recovery of heavy bearing	Support the 2nd root flush growth to increase root tip numbers and improve nutrient uptake for reserves

POME FRUITS AND STONE FRUITS

For better tree development apply STIMPLUS⁺ at 0.25% with foliar sprays during early growth

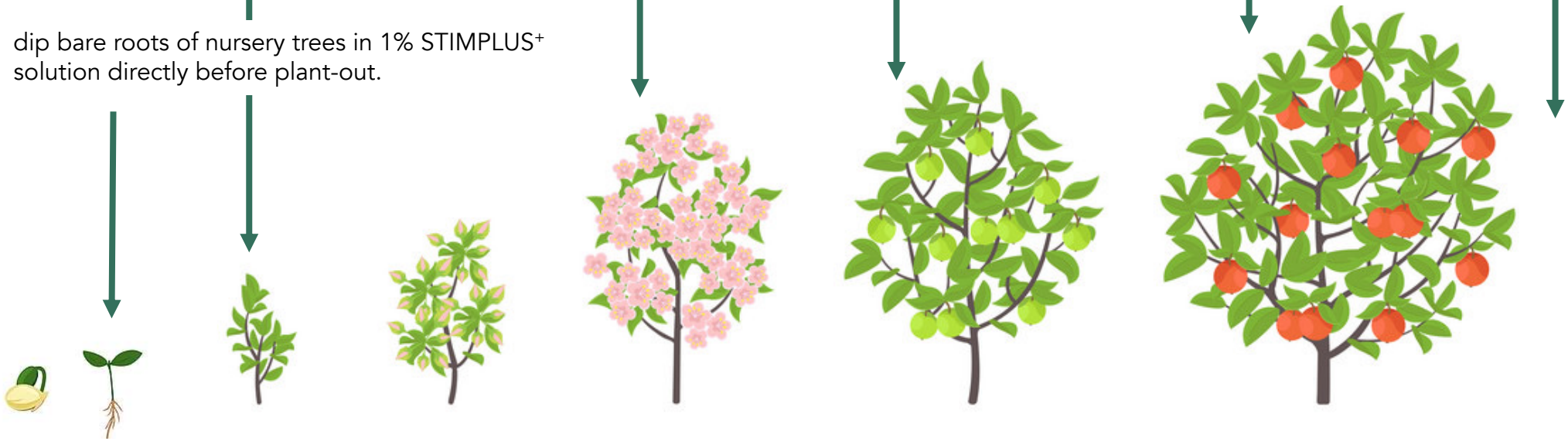
dip bare roots of nursery trees in 1% STIMPLUS⁺ solution directly before plant-out.

Foliar sprays of 2 L/ha at pink/white bud to 50% bloom

Apply 2 L/ha during early stage fruit setting

Apply 2L/ha 14 days before harvesting during colouring at maximum sizing stage

Post harvest: spray STIMPLUS⁺ at 0.2% for recovery of heavy bearing



CITRUS FRUIT

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Oranges Grapefruit pomelo lemons Limes tangerines kumquat	2-3 L/ha Seed: 1% Foliar: 0.3% maximum	• Apply 1 L of a 1.0% STIMPLUS+ solution as a soil drench directly after plant or drench the nursery bag with the solution directly before plant-out	Improve plant establishment, increase root development & allows to fight against stresses
		• For better tree development apply foliar sprays of 0.3% STIMPLUS+ solution with 3 to 4 week intervals during early growth	Improve plant establishment, increase root development & allows to fight against stresses
		• 0.3% foliar spray applied 3 times between white tip to full bloom.	Increase fruit set and fruit retention
		• Apply 1 time 2 to 4 L/ha at fruits setting	Increase fruit size + quality and homogenise fruit in cluster
		• Post harvest spray: 0.3% and repeated 14 days later for recovery of heavy fruit bearing	Support the 2nd root flush growth to increase root tip numbers and improve nutrient uptake for reserves

CITRUS FRUIT

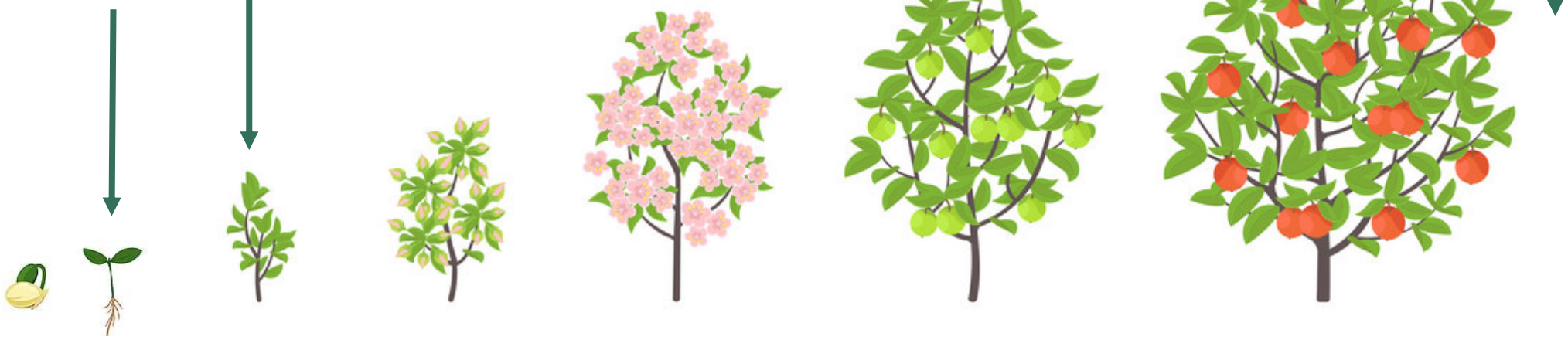
0.2% (200 ml /100 L water) foliar spray applied 3 times between white tip to full bloom.

Post harvest spray: 0.2% (200 ml /100 L water) and repeated 14 days later for recovery of heavy fruit bearing

For better tree development apply foliar sprays of 0.2% STIMPLUS+ solution with 3 to 4 week intervals during early growth

1x 2 to 4 L/ha at fruits setting

Apply 1 L of a 1.0% STIMPLUS+ solution as a soil drench directly after plant or drench the nursery bag with the solution directly before plant-out



TROPICAL AND SUBTROPICAL FRUITS

CROPS	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Dates Avocados bananas plantains figs mangoes papayas pineapples Coconuts	2-3 L/ha Seed: 1% Foliar: 0.3% maximum	• Apply 1 L of a 1.0% STIMPLUS⁺ solution as a soil drench directly after plant or drench the nursery bag with the solution directly before plant-out	Improve plant establishment, increase root development & allows to fight against stresses
		• For better tree development apply foliar sprays of 0.3% STIMPLUS⁺ solution with 3 to 4 week intervals during early growth	Improve plant establishment, increase root development & allows to fight against stresses
		• Apply 0.3% STIMPLUS⁺ by foliar spray 3 times between white tip to full bloom.	Increase fruit set and fruit retention
		• Apply 1 time 2-3 L/ha at fruits setting	Increase fruit size & quality and homogenise fruit in cluster
		• Post harvest spray: 0.3% and repeated 14 days later for recovery of heavy fruit bearing	Support the 2nd root flush growth to increase root tip numbers and improve nutrient uptake for reserves

TROPICAL AND SUBTROPICAL FRUITS

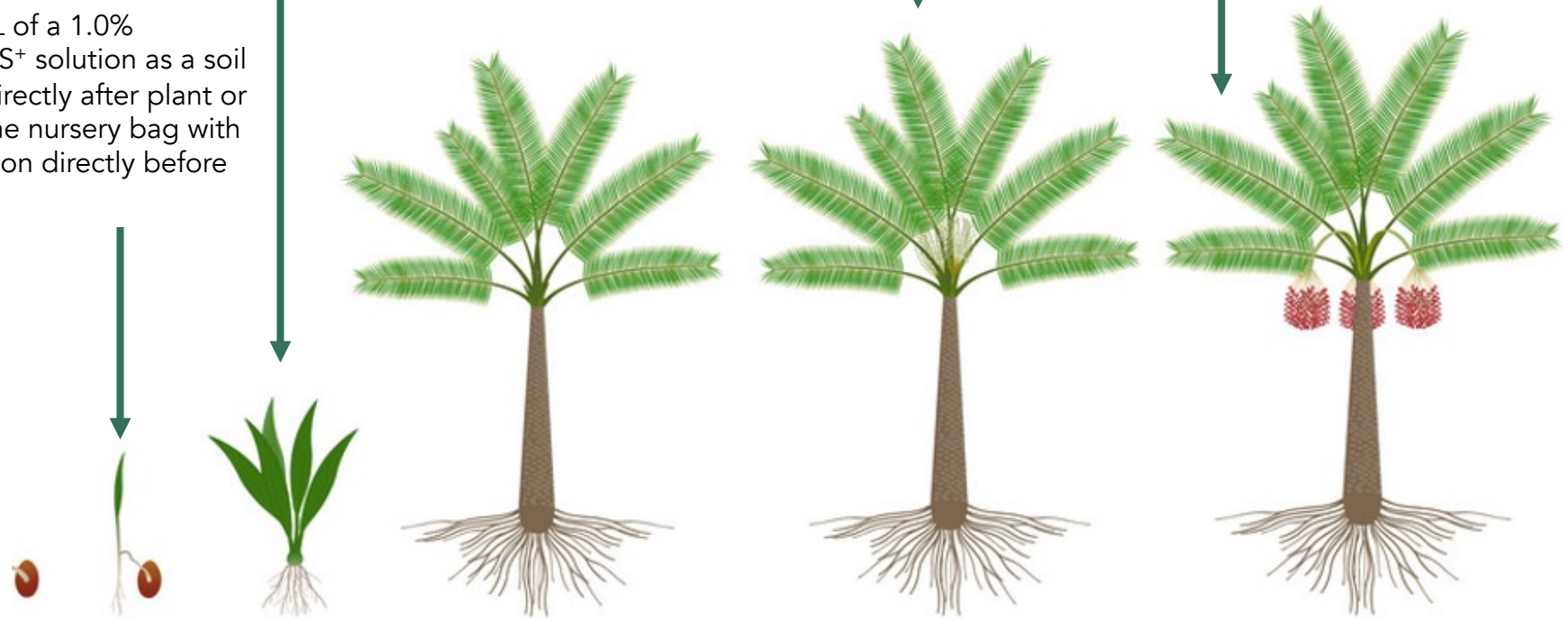
Apply 1 L of a 1.0% STIMPLUS⁺ solution as a soil drench directly after plant or drench the nursery bag with the solution directly before plant-out

For better tree development apply foliar sprays of 0.2% STIMPLUS⁺ solution with 3 to 4 week intervals during early growth

0.2% foliar spray applied 3 times between white tip to full bloom.

1x 2-3 L/ha at fruits setting

Post harvest spray: 0.2% and repeated 14 days later for recovery of heavy fruit bearing



SMALL FRUIT / BERRIES

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Strawberries Raspberries Blueberries Cranberries Currants Juneberries Gooseberries	2 L/ha Seed: 1% Foliar: 0.3%	• Dip runners/explants in 1% STIMPLUS⁺ solution before plant-out.	Improve plant establishment and increase root development
		• Apply as foliar spray at 2 L/ha before flowering	Increase fruit set and fruit retention
		• Apply as foliar spray at 2 L/ha at full flowering	Improve fruit size and quality parameters
		• 3 applications every 10 days during fruit setting	Improves fruit colour and other quality parameters

SMALL FRUIT / BERRIES

Dip runners/explants in 1% STIMPLUS+ solution before plant-out

Apply as foliar spray at 2 L/ha of STIMPLUS+ solution before flowering

Apply as foliar spray at 2 L/haof STIMPLUS+ solution at full flowering

3x applications of STIMPLUS+ every 10 days during fruit setting

ROOT/TUBER CROPS WITH HIGH STARCH OR INULIN CONTENT

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Potatoes sweet potatoes cassava yams	1-2 L/ha Seed: 2% Foliar: 1%	• Treat seed potatoes with a 0.5% STIMPLUS⁺ solution before planting. OR • Spray seed potatoes in plant furrow with planter at a rate of 1-2L/ha.	Improve plant establishment and increase root development
		• Follow up with a STIMPLUS⁺ foliar spray at 2L/ha at tuber initiation (5 leaf)	Increase number of tuber
		• Apply as foliar spray 2 L/ha at bulking	Increase number of tuber and tuber size
		• Apply as foliar spray 2L/ha at the beginning of the flowering	Increase tuber size and homogenization

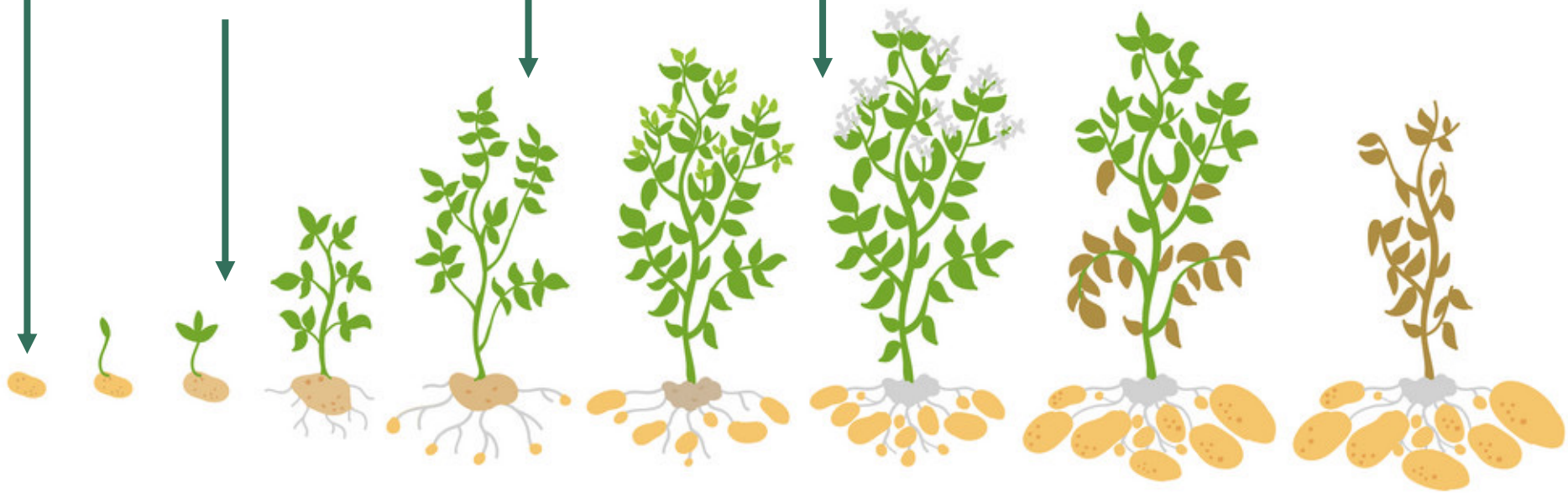
ROOT/TUBER CROPS WITH HIGH STARCH OR INULIN CONTENT

Treat seed potatoes with a 0.5% STIMPLUS⁺ solution before planting
OR
Spray seed potatoes in plant furrow with planter at a rate of 1L/ha

Follow up with a STIMPLUS⁺ foliar spray at 2L/ha at tuber initiation (5 leaf)

Apply as foliar spray 2 L/ha at bulking

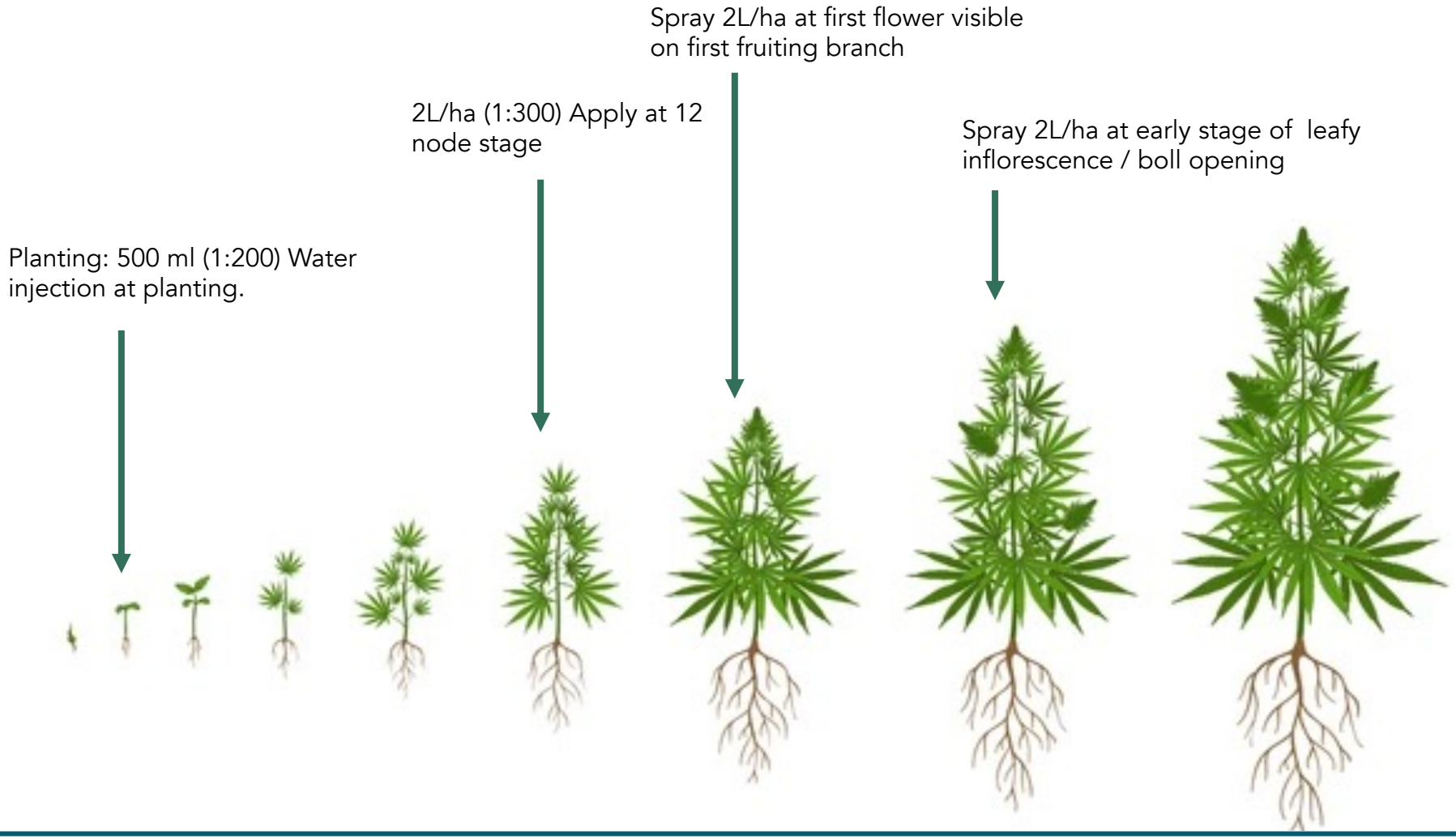
Apply as foliar spray 2L/ha at the beginning of the flowering



FODDER GRASSES AND FIBER CROPS

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Hemp Cotton	1-2 L/ha Seed: 2% Foliar: 1%	• Planting: 500 ml (1:200) water injection at planting.	Improve plant establishment and increase root development
		• 2L/ha (1:300) Apply at 12 node stage.	Improve plant growth and prepare and increase flowering
		• Spray at first flower visible on first fruiting branch (flower at candle).	Increase inflorescence/boll set & size
		• Spray 2L/ha at early stage of leafy inflorescence / boll opening	Increase quality and size

FODDER GRASSES AND FIBER CROPS



LEGUMINOUS CROPS

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Beans Broad beans Peanuts Chick peas Lentils Lupins Peas Pigeon peas	1-2 L/ha Seed: 2% Foliar: 1%	• Apply at 200 ml/100 kg as seed treatment before planting. OR • Apply 1 L/ha in furrow over seed with planter	Improve plant establishment and increase root development
		• Spray 2 L/ha between V3 (3 leaf) and V5 (5 leaf)	Improve plant growth and prepare and increase flowering
		• Foliar spray at beginning of flowering	Improve pod set
		• Foliar spray at beginning of pod growth (R3)	Improve pod growth

LEGUMINOUS CROPS

Apply at 200 ml/100 kg as seed treatment before planting.
OR
Apply 1 L/ha in furrow over seed with planter

Spray 2 L/ha between V3 (3 leaf) and V5 (5 leaf)

Spray 2L/ha at beginning of flowering

2 L/ha foliar spray at beginning of pod growth (R3)

FLORAL CROPS AND GREEN PLANTS

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Roses Tulips etc.	Seed: 1% Foliar: 0.2%	• 1:100 dilution: Dip or wet seedling tray or seedling bags with solution before transplant.	Improve flower establishment and increase root development
		• 1:500 dilution: Drench at 1 L per m^2 flower bed • Repeat drench 15 days later	Improve plant growth and prepare and increase flowering
		• Apply at 1:500 dilution as foliar spray 15 days after second drench.	Improve plant growth and prepare and increase flowering

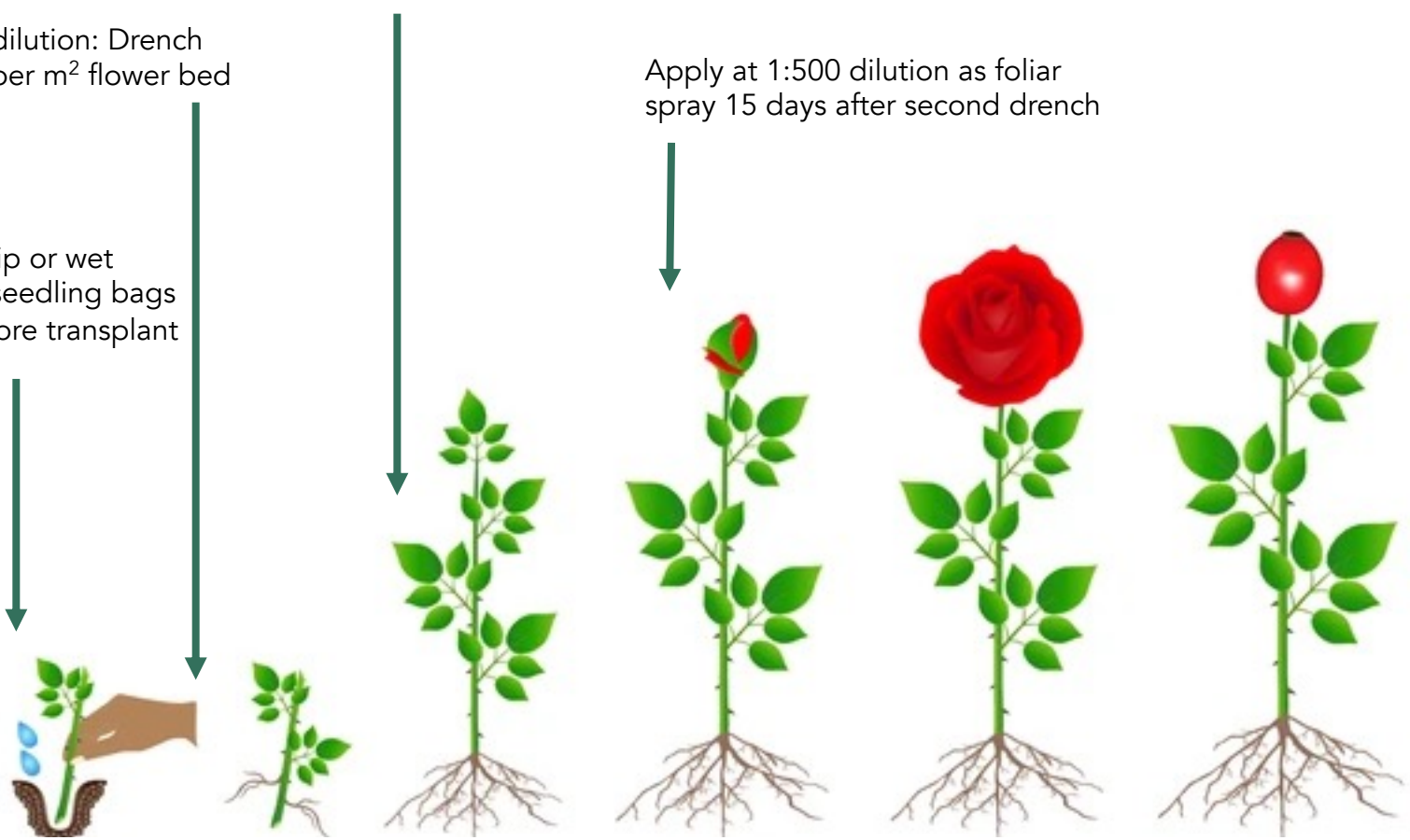
FLORAL CROPS AND GREEN PLANTS

Repeat drench 15 days later

1:500 dilution: Drench at 1 L per m^2 flower bed

Apply at 1:500 dilution as foliar spray 15 days after second drench

1:100 dilution: Dip or wet seedling tray or seedling bags with solution before transplant



LEGUMINOUS CROPS

CROP	DOSE	RECOMMENDED APPLICATION RATES	BENEFITS
Beans Broad beans Peanuts Chick peas Lentils Lupins Peas Pigeon peas	1-2 L/ha Seed: 2% Foliar: 1%	• Apply at 200 ml/100 kg as seed treatment before planting. OR • Apply 1 L/ha in furrow over seed with planter	Improve plant establishment and increase root development
		• Spray 2 L/ha between V3 (3 leaf) and V5 (5 leaf)	Improve plant growth and prepare and increase flowering
		• Foliar spray at beginning of flowering	Improve pod set
		• Foliar spray at beginning of pod growth (R3)	Improve pod growth

LEGUMINOUS CROPS

Apply at 200 ml/100 kg as seed treatment before planting.
OR
Apply 1 L/ha in furrow over seed with planter

Spray 2 L/ha between V3 (3 leaf) and V5 (5 leaf)

Spray 2L/ha at beginning of flowering

2 L/ha foliar spray at beginning of pod growth (R3)

kelp blue

RE-WILDING THE OCEANS

THANK YOU FOR YOUR ATTENTION