

GENERAL APPLICATION INSTRUCTIONS

- Bioflux (fermented plant juice)
 - Drip irrigation/ fertigation: 1 part Bioflux, 16-30 parts water
 - Foliar: 1 part Bioflux, 50-100 parts water
 - Note: once mixed with water, pH rises from 4 to 6.8-7. Use within 3 hours of mixing.
 - Note: There is no need to aerate Bioflux
 - Apply Bioflux before rain
 - For crops that risk rot, apply immediately after rain through fertigation
 - Apply Bioflux in the morning
- Terraflux (Biochar inoculated with Bioflux)
 - No till: Broadcast at sowing
 - Till: Broadcast / spread on listed beds and power bed shape
 - If you have a cone spreader, use no-fines grade
 - If have a drop spreader, use standard grade
 - Terraflux highly recommended for sandy soil
 - Use Terraflux for bioremediation
 - If budget constrained, apply Terraflux to small sections of land each year
- Always combine with cover cropping
- Wood Vinegar (Pyroflux)
 - 1 Liter will make 55-85 gallons of disease/ pest control-strength mixture
 - For serious root aphid infestation, a 1/10th acre cannabis operation used ~10 gallons a month for four months, before backing off
 - So 100 gallons wood vinegar per acre per month for treating root aphids
- Weed control
 - If applying herbicide, apply at least a day after applying Bioflux
 - We recommend Weed Slayer as an alternative, non-toxic herbicide
 - Bioflux will make the plants stronger so they can out-compete weeds

HANDLING & STORAGE

ATTENTION: LIVE PRODUCT

- Store between 45- and 90-degrees Fahrenheit (10-32 Centigrade)
- Do not store in direct sunlight
- Once open, use Terraflux within 24 hours
- Terraflux will last for up to 3 years without being opened
- For best results, use Bioflux within 4.5 months
- Recommended to wear gloves when handling Bioflux. Spills on the skin may smell like acetic acid for up to 24 hours.

CLIMATE & SOIL SPECIFIC RECOMMENDATIONS

SOIL/ CLIMATE	Tropical	Mediterranean	Temperate	Desert
Sand	+30%	+30%	Normal	+30%
Loam	Normal	Normal	Normal	Normal
Clay	-30%	Normal	+30%	-30%

Bioflux loosens clay soil

CROP SPECIFIC RECOMMENDATIONS

Garden & Greenhouse Plants

- 1) Add Terraflux at no more than 8% of total soil volume
 - a. For seedling mix, no more than 5%
 - b. Or ½ gallon per plant
 - 2) For 15 gallon pots, add approximately 1 gallon of Terraflux
 - 3) Mix Bioflux at a 16:1 ratio (16 oz per 2 gallons of water)
 - 4) Water plants with approximately two cups of total liquid per plant, per application
 - 5) For heavy feeder plants, apply every 10 days through flowering and fruiting
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Alfalfa

- 1) Foliar/ Boom spray or flood 10 gallons per acre at preplant
- 2) Foliar/ Boom spray 10 gallons per acre, 2 days after cut & bale

Bananas

- 1) Apply 3 yards Terraflux every 3 years
- 2) Fertigate: 25 gallons per acre every month
- 3) Foliar: If evidence of yellowing disease, spray 15 gallons per acre

Beans: Soybeans, Pinto and Black, Peas

- 1) Apply 0.5 yards per acre of Terraflux, yearly
- 2) Bedspray 15 gallons per acre Bioflux at sowing
- 3) Knife inject just before Layby, 15 gallons more

Note: Best practice for small farms, inoculate seed and handsow

Blueberries

Bag culture/ pot culture:

- 1) Add Terraflux at no more than 8% of total soil mix/ pot culture mix.
- 2) Fertigate Bioflux at 2 gallons per acre every 10 days until flowering, then 5 gallons per acre after. Wait two weeks after harvest before starting again

In ground:

- 1) Apply 1.5 cubic yards Terraflux per acre listed into beds.
- 2) Apply up to 15 gallons per acre every 10 days.

Brassicas

- 1) Apply 1.5 yards of Terraflux, bedded in
- 2) Fertigate Bioflux 10 gallons every 10 days

Cane berries

- 1) Apply 1.5 cubic yards Terraflux per acre incorporated 1 yard wide in berry plant row.
- 2) Drip irrigate Bioflux at 5-15 gallons per acre, depending on grow stage, increasing rate as grow stage advances.

Cannabis & Hemp

- 1) Apply 1.5 yards per acre of Terraflux, either onto raised beds, or power bed shape the Terraflux and cover with bioplastic mulch
- 2) Drip irrigate/ fertigate Bioflux: 3 gallons every 10 days during cropping cycle (~35 gallons total), up until flush. Stop 10 days before harvest.

Celery

- 1) Apply 1.5 yards of Terraflux
- 2) Preplant Boomspray 50 gallons per acre, then immediately power bed shape
- 3) Fertigate 15 gallons per acre, three times during cropping cycle

Cocoa

- 1) Post-harvest, apply 1.5 yards per acre of Terraflux every 3 years
- 2) Fertigate or foliar spray 15 gallons per acre of Bioflux twice, 2 weeks before flowers and one week after harvest

Coconuts

- 1) Apply 1.5 yards Terraflux every 3 years
- 2) Fertigate: 10 gallons per acre Bioflux every month

Coffee

- 1) Post-harvest, apply 1.5 yards per acre of Terraflux every 3 years
- 2) Fertigate or foliar spray 15 gallons per acre of Bioflux twice, 2 weeks before flowers and one week after harvest

Corn for Grain

- 1) At preplant, spray 35 gallons per acre of Bioflux, then sow

Corn for Silage

- 1) At preplant, boom spray Bioflux at 25 gallons per acre
- 2) Immediately till in, list and sow within 3 days

Flowers

- 1) Apply 1 yard of Terraflux every third crop cycle
- 2) Fertigate Bioflux starting 3 days after transplant or emergence of crop, at 10 gallons per acre

- 3) Fertigate three times during cropping cycle

Forage

- 1.

Fruit Trees (except bananas)

- 1) Post-harvest, apply 1.5 yards per acre of Terraflux every 3 years
- 2) In general, fertigate or foliar spray 15 gallons per acre of Bioflux
 - a. Avocados: Apply twice, 2 weeks before flowers and one week after harvest
 - b. Apples & Peaches: Apply twice
 - c. Citrus, Figs & Mangos: Apply three times during summer, stop two weeks before flowering
 - d. Dates: Apply three times during fruiting season, and once post-harvest

Garlic

- 1) At preplant, apply 1.5 yards per acre of Terraflux
- 2) Fertigate 10 gallons per acre, 3x throughout growth cycle (30 gallons total)

Grapes

- 1) Under drip emitters, dig 1 gallon hole, apply a shovel full of Terraflux, top with an inch of soil – 1 cubic yards per acre total
- 2) Fertigate one time, two weeks before Veraison at 17.5 gallons per acre
- 3) Fertigate one time, within a week after harvest at 17.5 gallons per acre

Grains: Wheat, Quinoa

- 1) Apply 20 gallons per acre. Boom spray on while disking in, usually during seeding

Lettuce, Head

- 1) At pre-plant Terraflux at 1.5 cubic yards per acre, every other crop cycle
- 2) Drip irrigate Bioflux at 15 gallons per acre, 3 times

Lettuce, Salad Mix

- 1) At preplant, apply 1.5 yards per acre of Terraflux, power bed shape
- 2) Start fertigating 15 gallons per acre every 10 days, three days after planting

Nut Trees

- 1) Post-harvest, apply 1.5 yards per acre of Terraflux every 3 years
- 2) Fertigate or foliar spray 15 gallons per acre of Bioflux twice, 2 weeks before flowers and one week after harvest

Rice

- 1) At pre-plant 1 cubic yard per acre of Terraflux
- 2) Drip Bioflux into Ricebox at 15-25 gallons per acre
- 3) Apply two times per season, 1st time when rice is 1 ft tall, 2nd time when preheading

Olives

- 1) Post-harvest, apply 1.5 yards per acre of Terraflux every 3 years
- 2) Apply 30 gallons per acre of Bioflux: half via foliar, half via soil

Ornamentals

- 1) Fertigate 5 gallons per acre, each time you fertigate, following regular schedule.

Parsley, Italian & Chinese

- 1) Apply 1.5 yards of Terraflux
- 2) At preplant, apply 50 gallons per acre
- 3) Apply an additional 15 gallons two times every crop cycle

Potatoes

- 1) Preplant Apply 1.5 yards per acre of Terraflux
- 2) Drip irrigate: 10 gallons per acre, three times during cropping cycle
- 3) Foliar: If see micronutrient deficiencies, fungal or bacterial issues, apply 15 gallons per acre (in 100 gallons water)

Root Crops: Carrots, Radishes, Turnips

- 1) Apply 1 yards per acre of Terraflux
- 2) Fertigate:
 - a. Radishes: One time, 10 gallons per acre
 - b. Carrots & Turnips: One time, 15 gallons per acre

Sugarcane

- 1) Apply 3 yards Terraflux
- 2) Drip irrigate Bioflux at 15 gallons per month

Strawberries

- 1) Preplant 1.5 cubic yards / acre, listed into beds.
- 2) Fertigate: Bioflux at 15 gallons per acre every 10 days during crop cycle, starting 3 weeks after planting.
- 3) Foliar/ boom spray: Bioflux for flower stimulation if temperature spike stops flower initiation.
- 4) Hydroponic/ coconut slab:
 - a. Add Terraflux at no more than 8% of total soil mix/ pot culture mix.
 - b. Fertigate Bioflux at 5 gallons per acre each irrigation as per regular irrigation for potculture.

Tea

- 1) Apply 1.5 yards Terraflux every 3 years
- 2) Fertigate: 15 gallons per month Bioflux

Tomatoes

- 1) Apply 1 yard of Terraflux
- 2) 3 days after planting, fertigate 4 gallons per acre every 10 days until first flowers
- 3) After first flowers, 2 gallons every 10 days

Turf Grass

- 1) Apply 1.5 yards per acre of Terraflux one time every three years with drop spreader for even distribution
- 2) Spring: Apply 15 gallons (in 100 gallons water) per acre through sprinkler system, or boom spray if your sprinkler system has no fertilizer injector
- 3) Fall: Apply 30 gallons (in 100 gallons water) in the same way

For additional crops, please call 1-888-969-3589