



CO2 GRO Inc.

GROWER DECK
2024



Are you interested in up to 30% more yield and revenue?



Are you interested in potentially doubling your profits?



Are you interested in higher grade produce that fetches higher prices?



Are you interested in being a more sustainable-branded grower and lowering your carbon footprint?

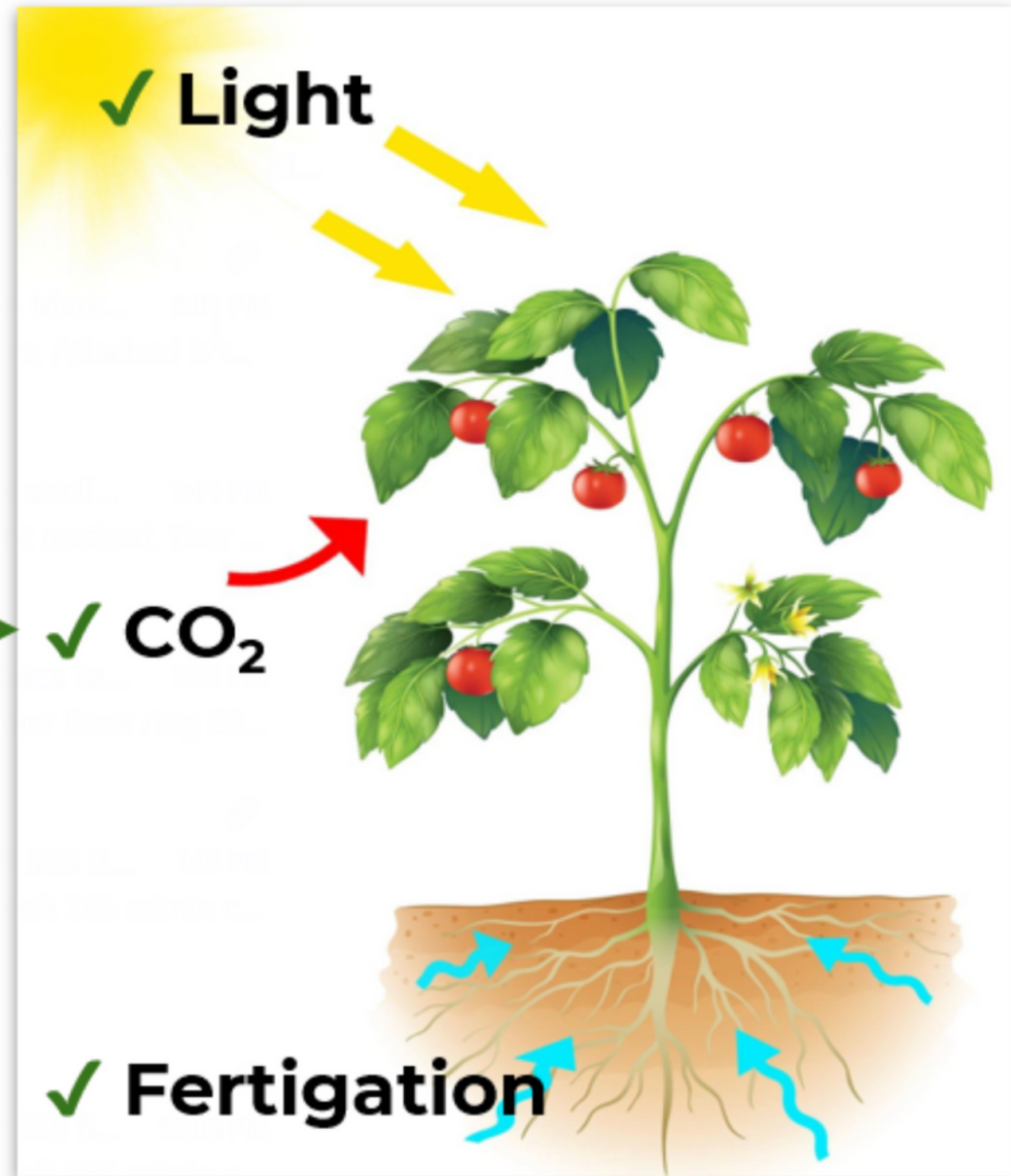
Our Vision

CO2 GRO Inc. (TSX.V: GROW | OTCQB: BLONF | Frankfurt: 4021) is a People, Planet, and Prosperity-focused precision ag-tech, clean-tech company.

Our vision is to transform 700 billion sq. ft. of protected fruit & vegetable growth facilities so they can increase yield by up to 30% and feed half a billion more people around the world.



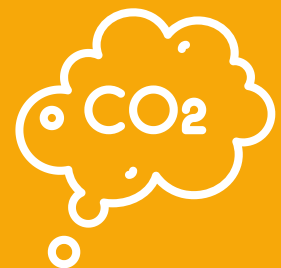
Photosynthesis



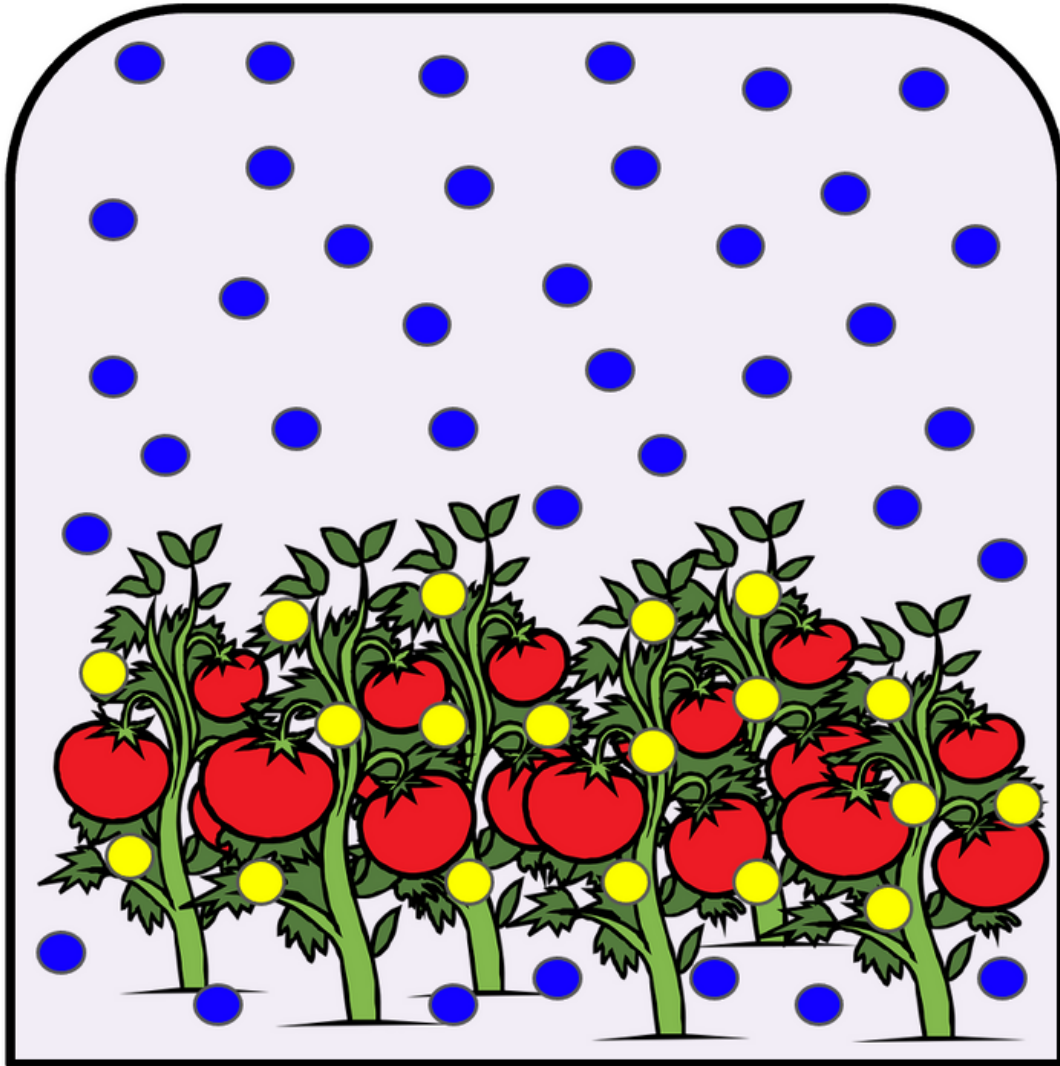


Benefits of CO₂ enrichment

- ➔ Accelerated photosynthesis
- ➔ Faster plant growth
- ➔ Increased plant production and quality

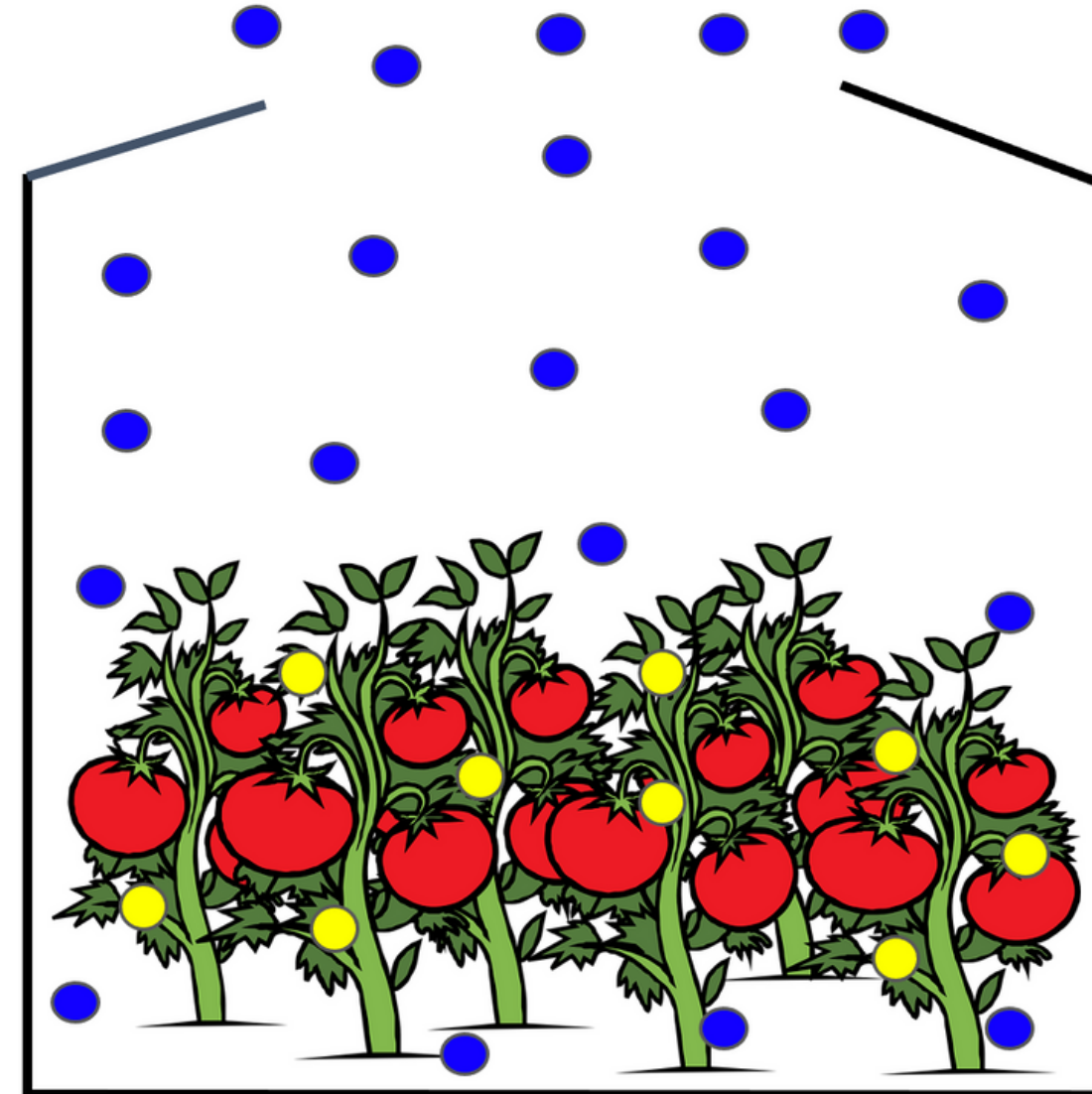


Traditional CO₂ Gassing



Sealed facilities

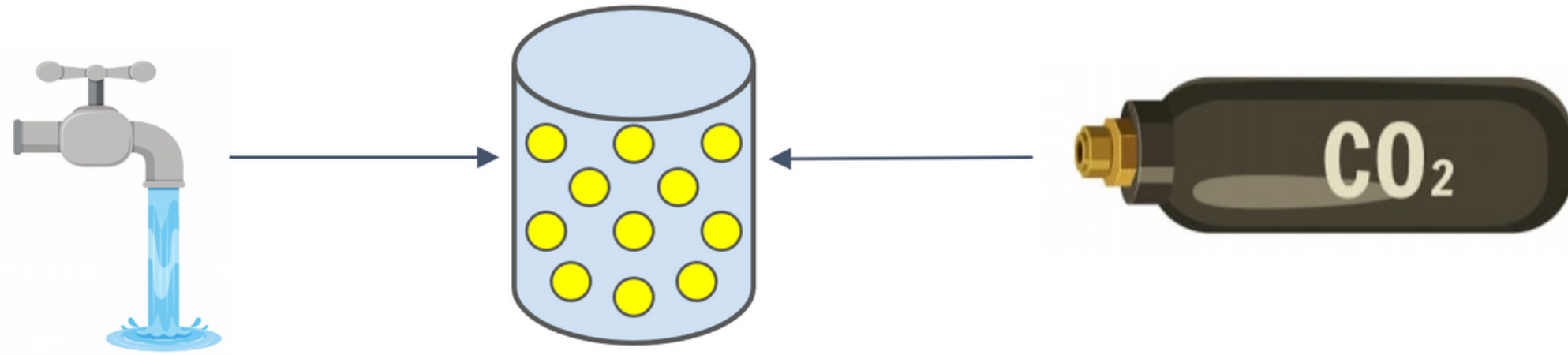
- CO₂ gassing up to 1200 ppm
- CO₂ gas available for plants



Unsealed / venting facilities

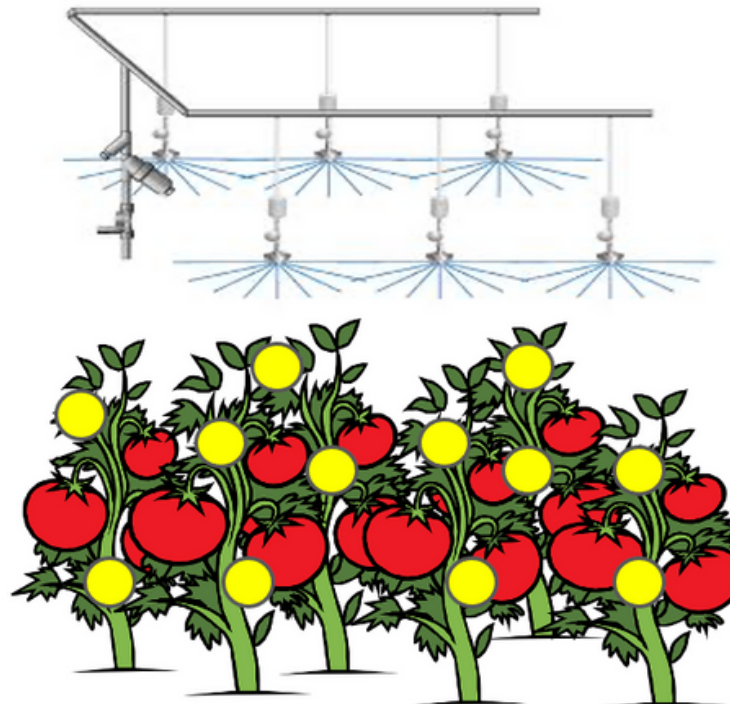
- **Sub-optimal** CO₂ 400 - 600 ppm
- Less CO₂ gas available for plants

CO2 GRO's Sustainable CO₂ Enrichment

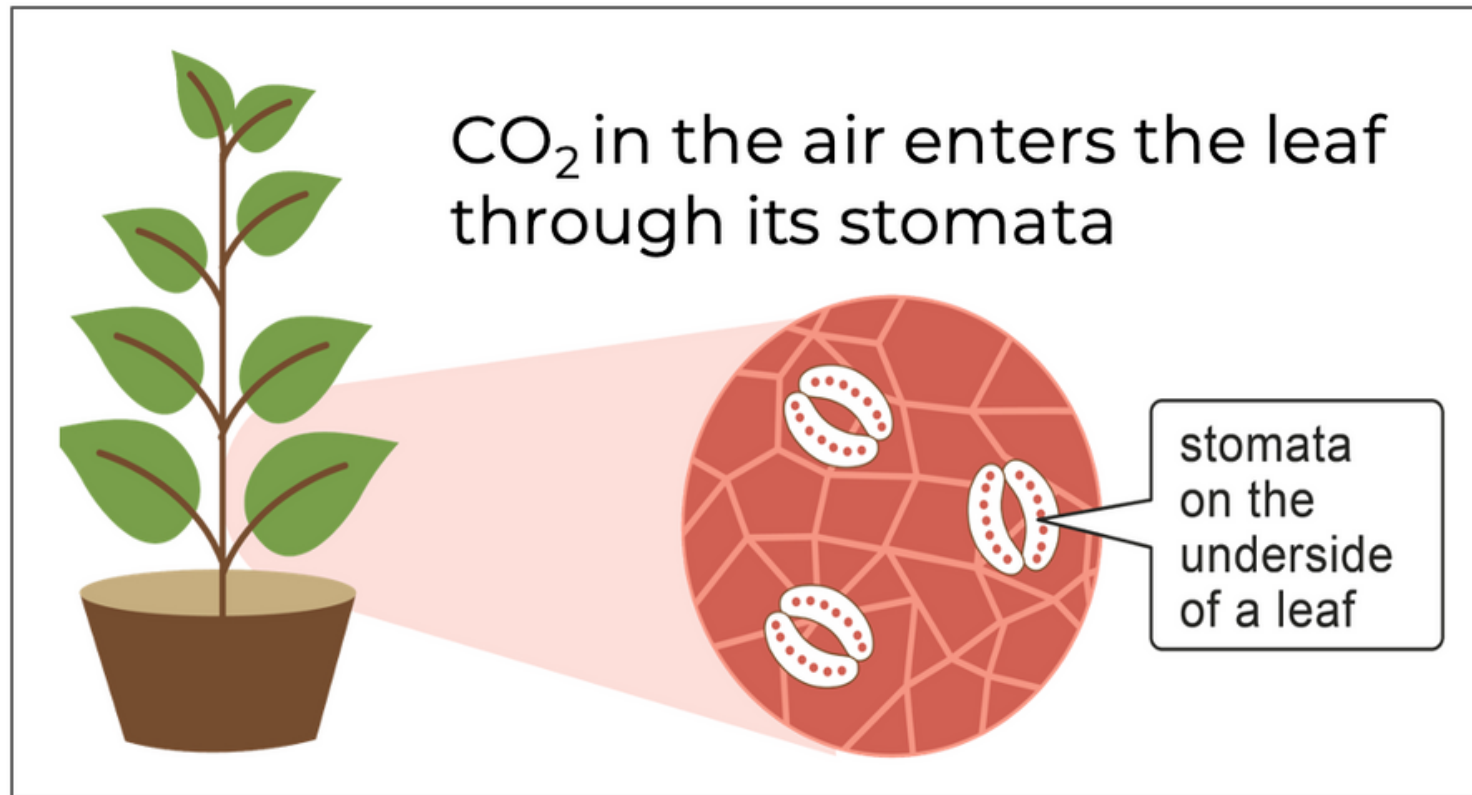


CO₂ Infusion System
dissolves CO₂ gas in water.

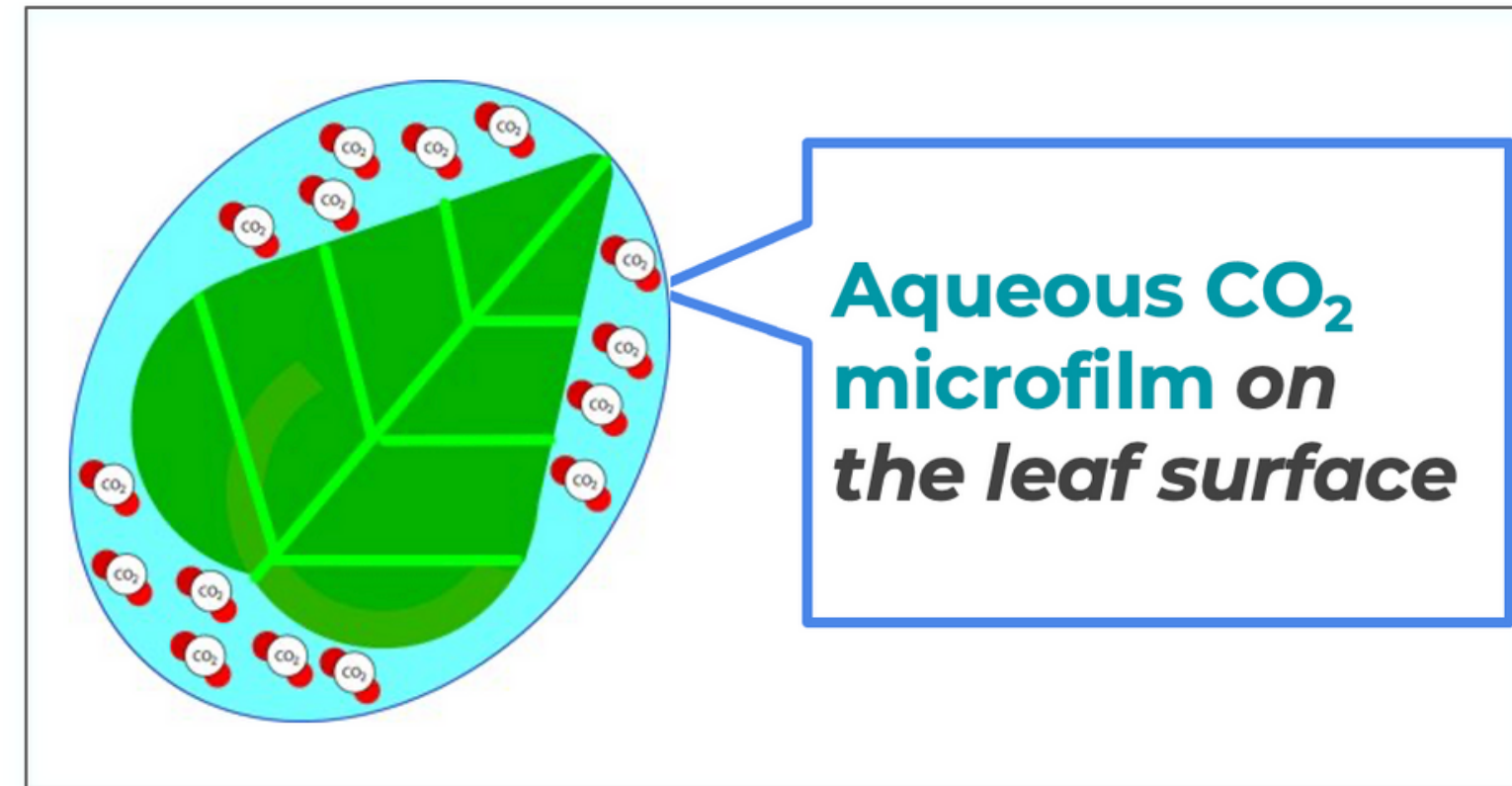
Aqueous CO₂ solution is **misted** onto the plants to
create a **microfilm** on the leaf surface.



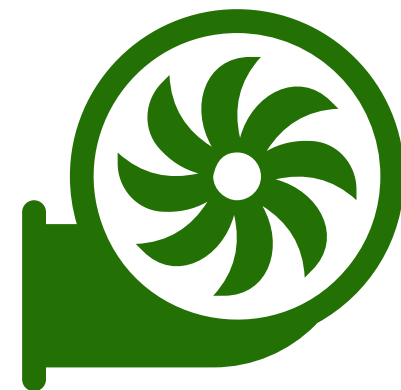
ATMOSPHERIC CO₂ ABSORPTION



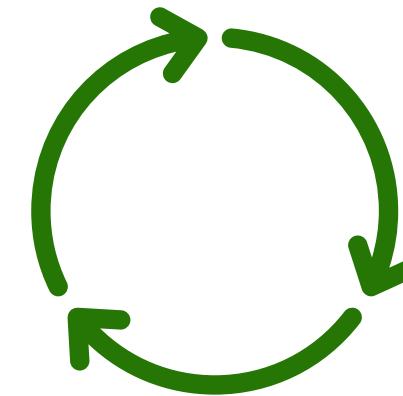
CO2 GRO's AQUEOUS CO₂ ABSORPTION



Aqueous CO₂ diffuses through the leaf's surface

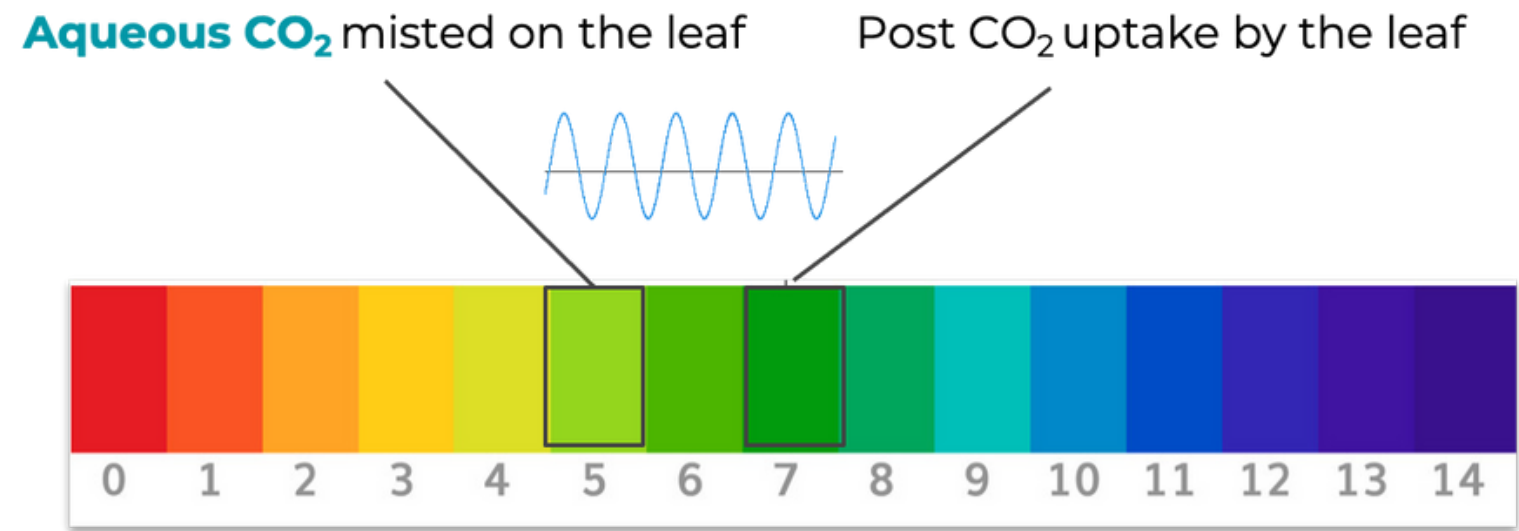



Aqueous CO₂ does not escape through venting



Aqueous CO₂ is provided to plants year-round

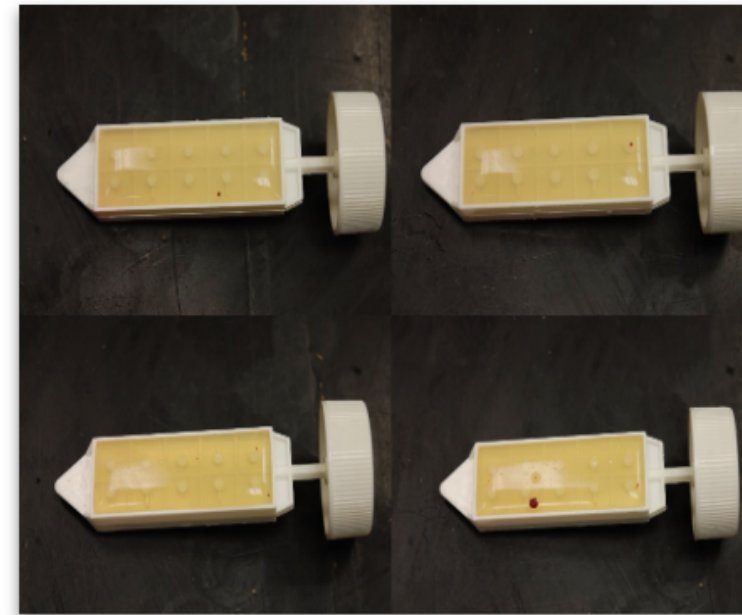
Pathogen Perimeter Protection (PPP)TM



 pH fluctuations on the leaf surface suppresses micro-pathogens such as mildew, mold, and bacteria

 CO₂ gassing alone does not provide PPP

AQUEOUS CO₂ MISTED



CO₂ GASED & AMBIENT CO₂



PPP suppresses the spread of *E. coli* by 99% - as demonstrated by *E. coli* cultures on growth medium paddles at St. Cloud State University

C-stainable™ Crop Enhancement

C-STAINABLE™

Helping growers profitably reduce their carbon footprint, sustainably



- C-stainable™ crop enhancement is the term we use for growing crops with CO2 GRO's CO2 Enrichment Solutions™ technology
- Our vision is to have the C-stainable™ logo as a brand enhancement tool for growers, distributors, marketers, retailers, and consumers



—
People, Planet,
and Prosperity



C-stainable™ crop enhancement to lower growers' carbon footprint



Reduce CO₂ emissions and costs by up to 95%



Reduce pesticide and fungicide use



Safe for plants, people and animals



Up to 30% more yield ≈ doubling profits





Increase Production, Increase Profits



Typical Protected Grow Economics

Increase production by **2-4 kg/m²**

Increase revenue by ~\$50,000/ha/year

CO₂ gas usage cost ~\$10,000/ha/year

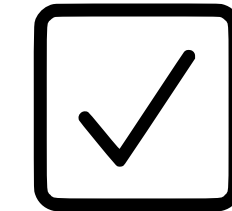
Increase gross profit by **~\$40,000/ha/year***

*does not include CO2 GRO PFU fee - see CO2 GRO pricing slide for commercial options

Environmental and Financial Sustainability

Typical CO₂ usage with atmospheric enrichment
30 MT/ha/month

CO₂ usage with aqueous CO₂ misting
1 MT/ha/month



CO₂ Enrichment Solutions™ reduces CO₂ usage, emissions and cost.

Benefits All Protected Grow Facilities



Tunnel



Net house



Shade house



Indoor vertical farm

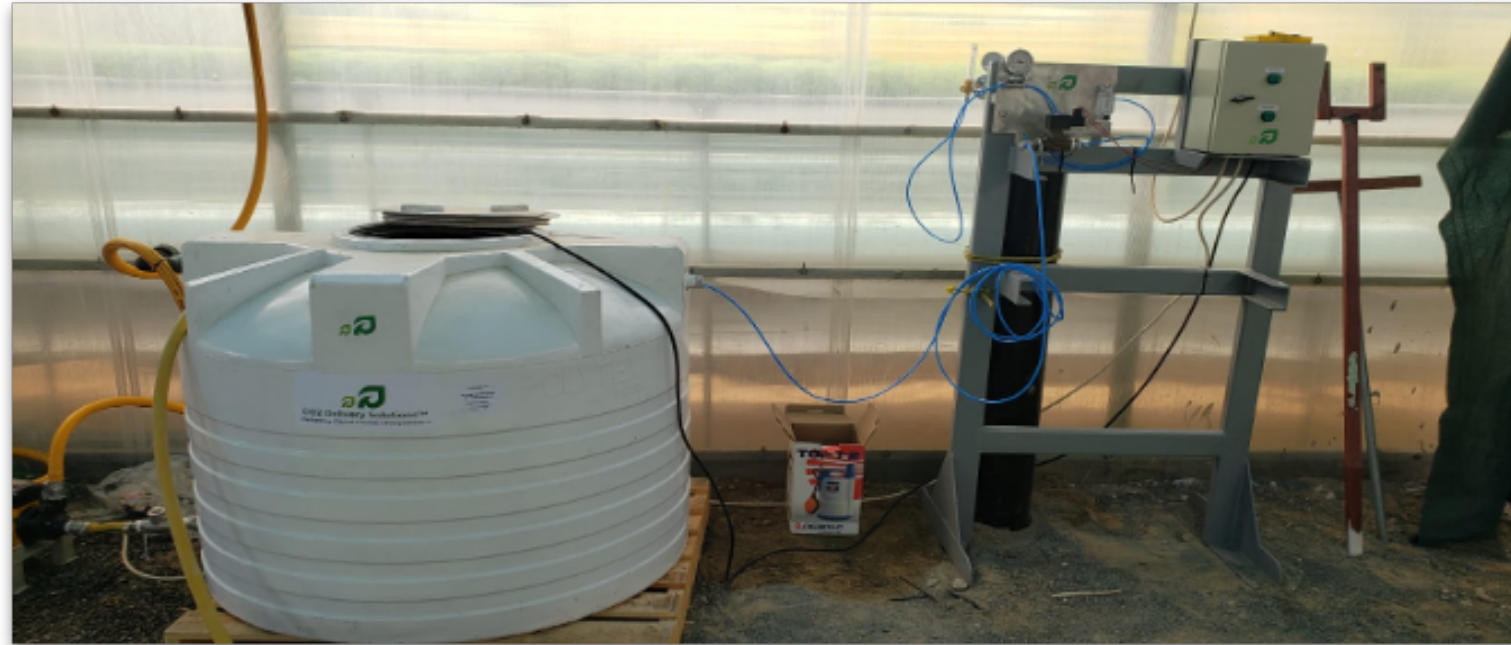


Hoop house



Greenhouse

Lettuce Greenhouse Trial



Top left: CO₂ Infusion System



Top right: Lettuce greenhouse



Bottom right: Overhead misting

Microfilm created from top-to-bottom

Pepper greenhouse



Tomato greenhouse



Cucumber greenhouse



Bench Scale Study on Peppers

Metric	Aqueous CO ₂	*CO ₂ gassing	Ambient CO ₂
Total Biomass	195 grams	192 grams	132 grams
Fruit Yield	8.5 fruit/plant	8 fruit/plant	7 fruit/plant
Harvest Time	22 days	22 days	25 days
Pathogen Suppression	Yes	No	No

 20% more pepper fruit production vs ambient

 10% faster growth vs ambient

 *Impossible to maintain 1200 ppm CO₂ when venting

Commercial Pepper Sales Success: \$1 Million Sales Contract To Date

Metric	Aqueous CO ₂	Ambient CO ₂
Kilos	49,885	41,977

Half hectare treatment vs half hectare control.



"After using CO2 GRO's aqueous CO₂ technology over the past two seasons, we have decided to expand its deployment to additional greenhouses at our facility and are confident that it can provide more benefits to our operations. We believe that the additional production and profits can help transform our business and enable us to expand our operations over the coming years. We look forward to cultivating our partnership with CO2 GRO and enhancing both our businesses for many years to come."

- *Rodrigo Martinez, General Manager, Hidroexpo.*

Note: First technology trial delivered 20% increase in pepper production, second trial delivered 30% after technology protocol optimization.

Technology Trial with Cherry Tomatoes

- Overall kg/m² has increased by 10%
- Calibre 27 tomatoes (highest value) are now 3% versus 1% of yield (3x increase)
- Calibre 25 tomatoes (second highest value) increased from 24% to 33% of total yield (37.5% increase)
- Quality defects are down 8%



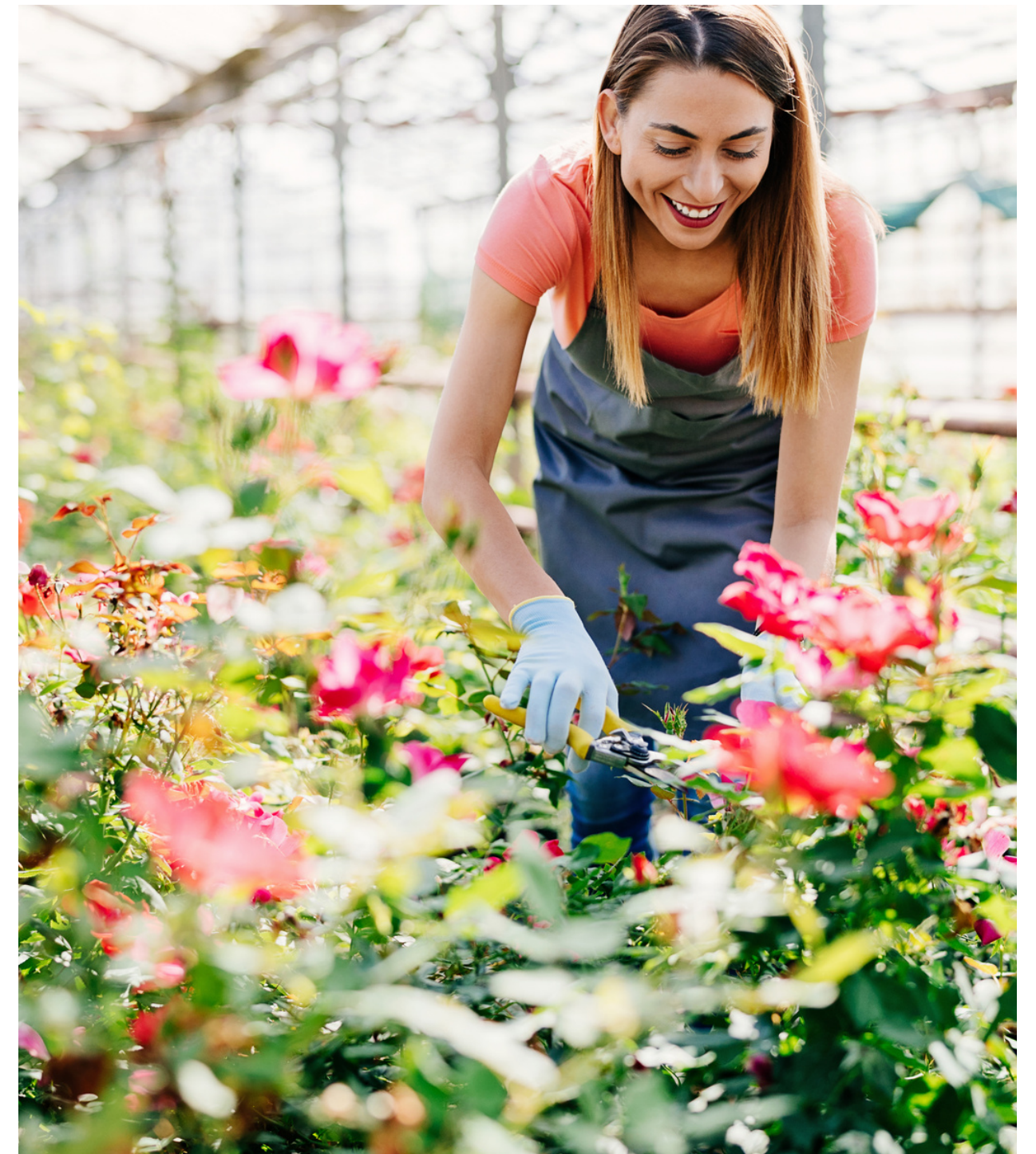
Technology Trial with Cucumbers

- 20% production increase in the first cycle.
- 37% production increase in the second cycle
 - CO2 GRO's Pathogen Perimeter Protection™ suppressed powdery mildew
 - Control block experienced powdery mildew outbreak
- **\$500,000 commercial sales contract with a cucumber grower in Canada**



Technology Trial with Roses

- Overall stem production from Jan 2023 to Dec 2023 increased by 35%
- High-grade high value roses realized a 21% production increase
- High-grade roses are over 55 cm in stem length and have 6 cm wide flower buds
- 75% reduction in powdery mildew spread due to CO2 GRO's Pathogen Perimeter Protection™



Technology Trial with Lettuce

- 7 varieties tested
- Average biomass increase of 17%, with one variety yielding a 28% increase



Current Crop Applications



Leafy Greens



Peppers



Tomatoes



Cucumbers



Roses



Young Plants



Berries

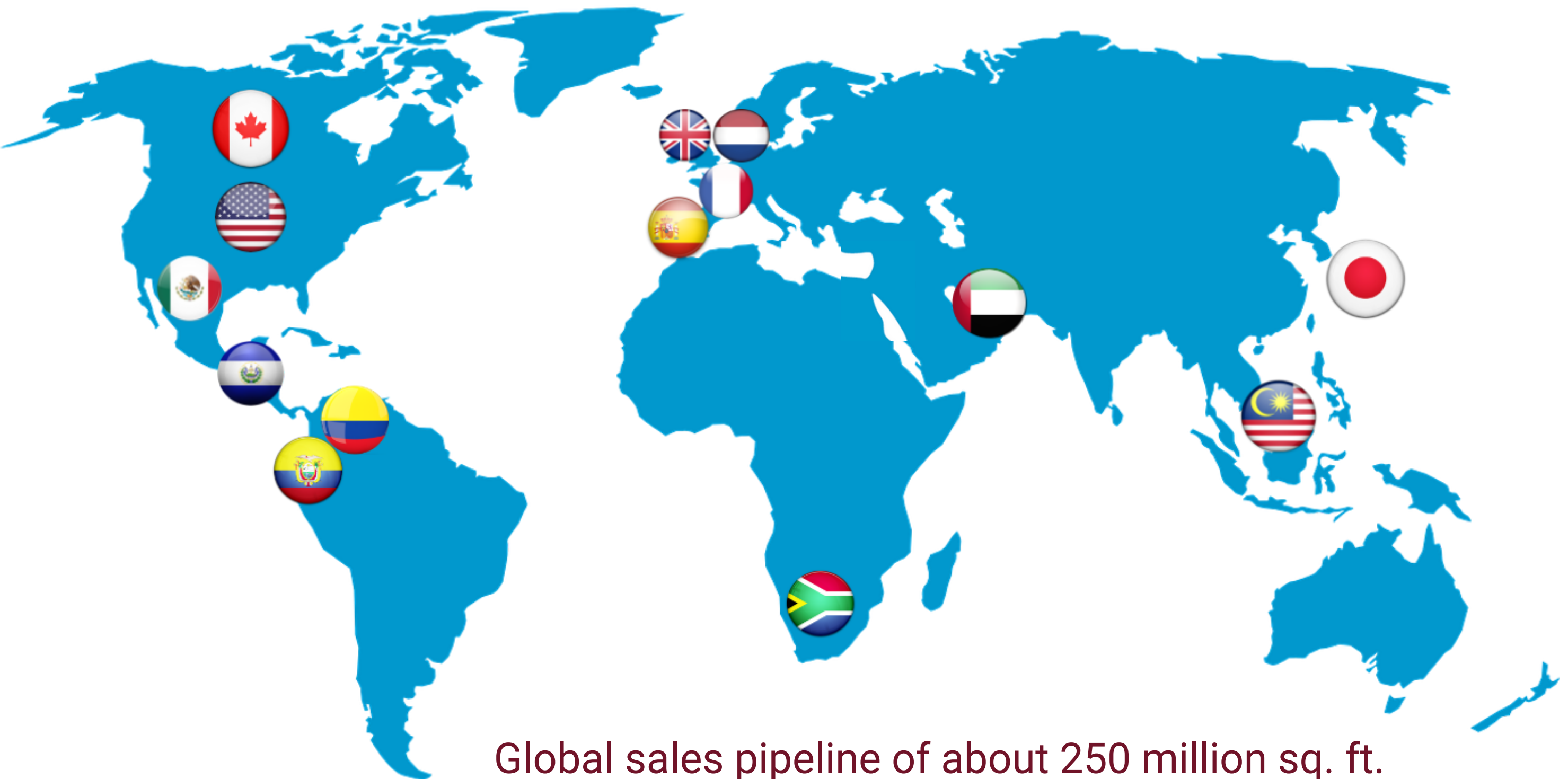


Pharma Crops



Other Floriculture

Current Customers and Partners



Global sales pipeline of about 250 million sq. ft.

CO2 GRO Inc's Pricing

Commercial Sales Contracts

- Pay-for-Use/service contract
- Capital purchase

Flexible Commercial Terms

- PFU/service payments monthly, quarterly, or annually
- Third-party financing available for capital purchase





What We Do
For You



We provide the most effective CO₂ enrichment tool in your grower arsenal



We help increase your production by up to 30% or 2-4 kg/m²



We help increase your gross profit by an average of \$50,000 per hectare



We help reduce your leaf pathogens by up to 99%



We help reduce your CO₂ emissions, save you money and become a more C-stainable™ grower




We make realizing the benefits above easy and affordable for you


Become a Part of Our Vision



Join our team, in whatever capacity you can.

Adopt our technology, invest in us, work with us, or give us a like on social media.

 /co2gro

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 /company/co2-gro-inc



Contact Information

Get in touch with our team to learn more about your specific needs



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