



# Unpac™ treats soil compaction



Penetrate compacted soils with our *Simply Vital* microbially derived sophorolipids.

Compacted soils lead to poor root growth, decreased nutrient uptake, excessive water runoff and lower yields. The proprietary sophorolipid biosurfactants in Unpac™ reduce the surface tension of water and naturally break up soil compaction. It can be applied to existing irrigation systems, which makes it easy to implement and reap the rewards.

## How Unpac Works

### Penetrates Compacted Soils

Enables water to be distributed more freely.

### Promotes Root Growth

Allows roots to penetrate soil for better growth, which enhances input uptake.

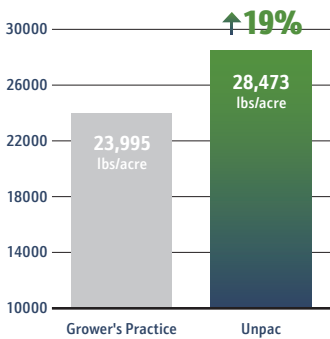
### Increases Yields

Less compacted soils and enhanced root growth drive improved crop productivity.

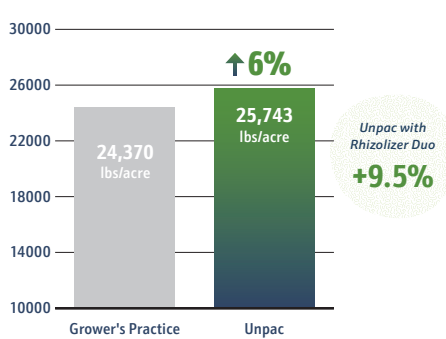
## Average Yield Increases

Multiple years of CRO trials show a positive impact on yield. Add Rhizolizer® Duo for an extra yield boost.

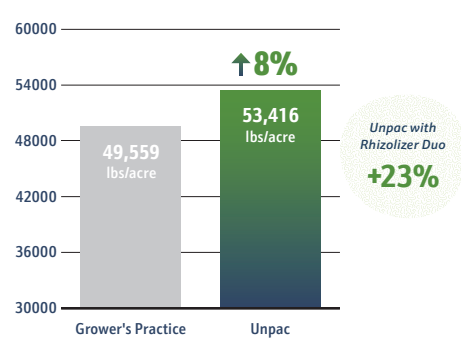
### Grape



### Strawberry



### Potato



A simply vital choice. Get started now.



# Trial Results by Location

At Locus AG, it's not what we say. It's what the data proves. That's why we partner with contract research organizations (CROs) across the country to run third-party, randomized and replicated trials on a variety of crops to prove the yield-boosting power of our biologicals.

CRO	Crop	State	City	Year	Untreated LBS/ACRE	Treated LBS/ACRE	Difference LBS/ACRE
<b>UNPAC</b>							
Pacific Ag	Almonds (5 yr old trees)	California	Cantua creek	2023	1,528.0	1,559.0	31.0
Pacific Ag	Almonds (20 yr old trees)	California	Coalinga	2023	182.5	244.0	61.5
Pacific Ag	Almonds	California	Five Points	2023	1,939.0	2,437.3	498.3
Qualls Labs	Apples	Washington	Ephrata	2023	9,075.6	12,091.5	3,015.9
Pacific Ag	Citrus (Navels)	California	Sanger	2024	35,824.8	37,102.8	1,278.0
Florida Ag	Citrus (Valencia)	Florida	Duette	2024	1,489.8	1,514.4	24.6
Florida Ag	Pepper	Florida	Thonotosassa	2023	27,657.0	29,624.4	1,967.4
Agritech	Potato	Wisconsin	Whitewater	2023	49,559.2	53,415.5	3,856.4
Pacific Ag	Strawberry	California	Arroyo Grande	2022	14,540.3	13,622.4	-917.9
Pacific Ag	Strawberry	California	Arroyo Grande	2023	36,298.5	37,460.5	1,162.0
Pacific Ag	Strawberry	California	Arroyo Grande	2023	30,043.0	34,093.5	4,050.5
Florida Ag	Strawberry	Florida	Dover	2023	22,288.2	21,535.0	-753.2
Florida Ag	Strawberry	Florida	Dover	2023	18,679.1	22,005.3	3,326.2
Pacific Ag	Table Grapes	California	Sanger	2022	19,995.9	24,718.0	4,722.1
Pacific Ag	Table Grapes	California	Sanger	2023	27,994.4	32,227.9	4,233.5
Florida Ag	Tomato	Florida	Thonotosassa	2023	81,435.4	84,862.1	3,426.7
Glades Crop Care	Tomato	Florida	Juniper	2024	46,343.8	48,127.7	1,783.9
<b>UNPAC + RHIZOLIZER DUO</b>							
Qualls Labs	Apples	Washington	Ephrata	2023	9,075.6	12,809.7	3,734.0
Agritech	Potato	Wisconsin	Whitewater	2023	49,559.2	60,775.5	11,216.3
Pacific Ag	Strawberry	California	Sanger	2023	36,298.5	39,732.2	3,433.7
Pacific Ag	Table Grapes	California	Sanger	2023	27,994.4	32,306.5	4,312.1

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