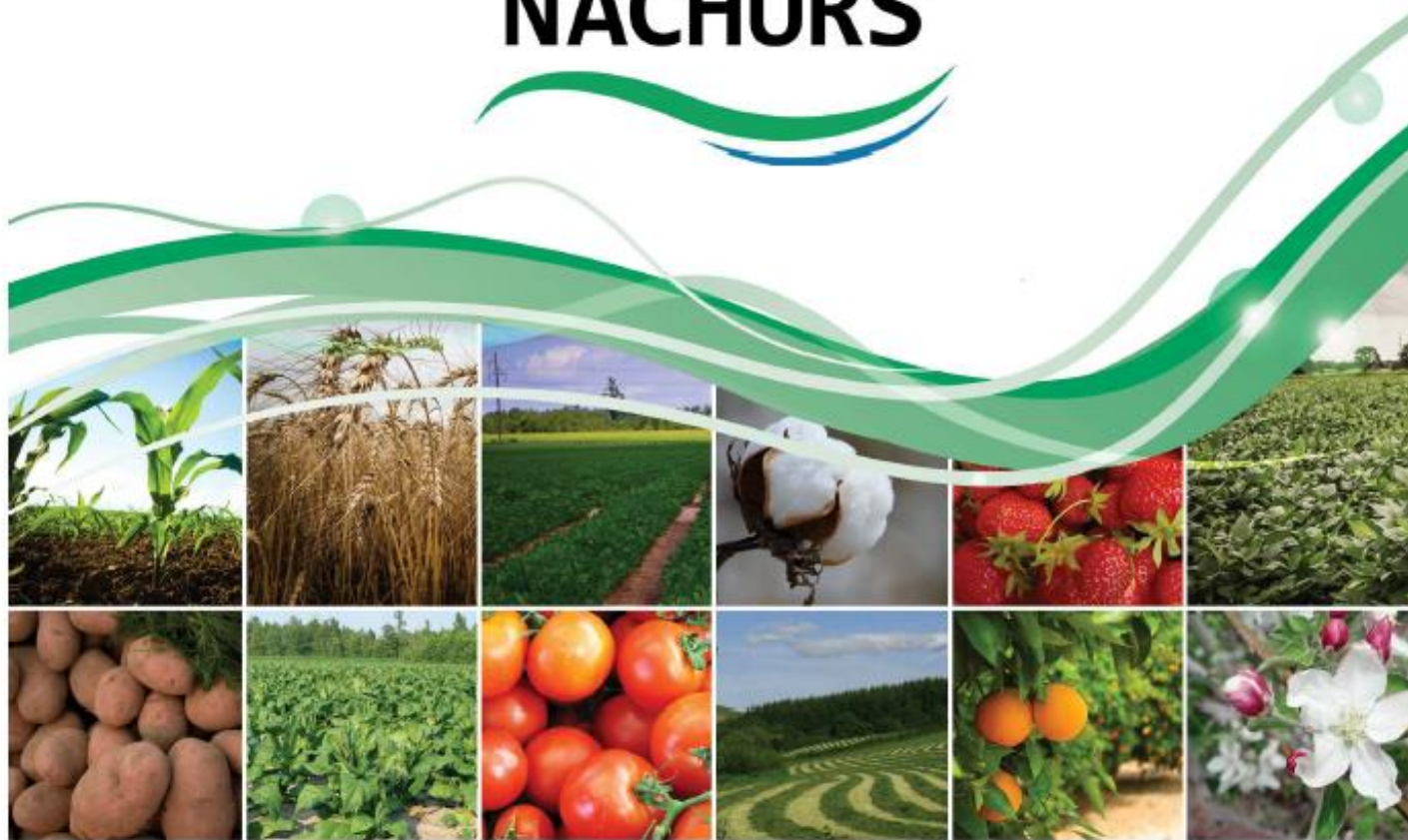


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The Value of NACHURS Products

Kelly Dupont 985.750.3777

How much nutrient can my crop take up?

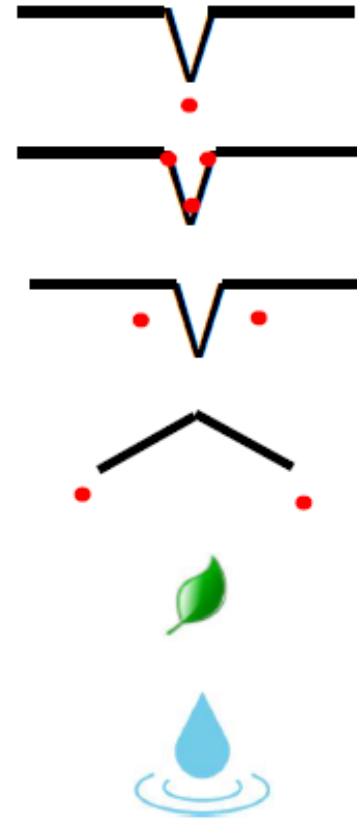


Only the soluble nutrient that it makes contact with!

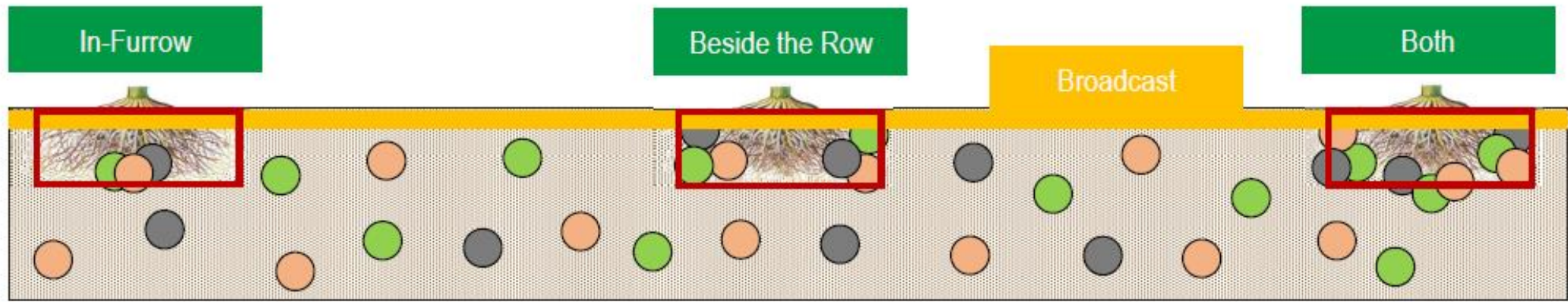


Freedom to Place for Maximum Efficiency

- Strip-Till
- In-Furrow
- Beside the Row
- Y-Drop
- Foliar
- Fertigation

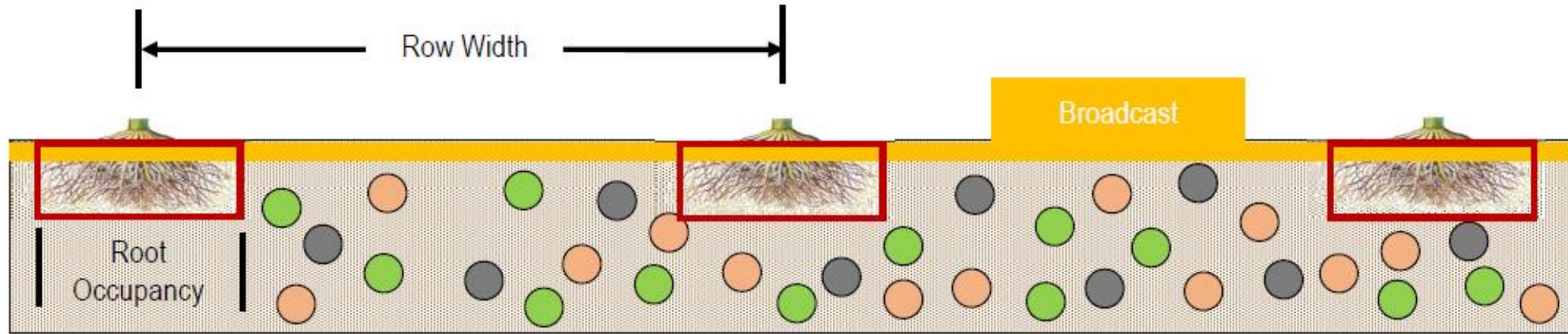


Critical Nutrient Placement



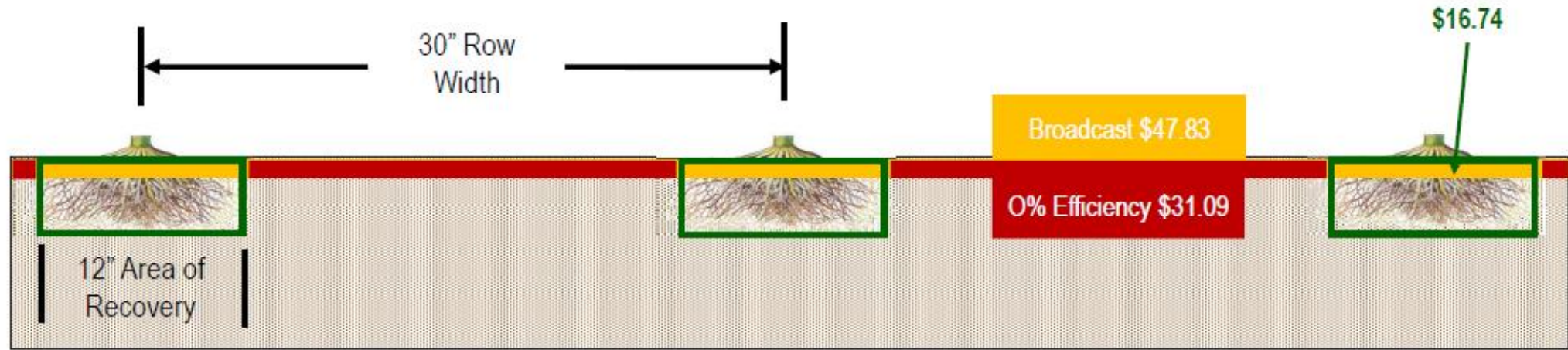
Root Occupancy and Effective Area of Recovery

Efficiency of Dry P_2O_5 and K_2O



Root Occupancy and Effective Area of Recovery

Broadcast Efficiency of Dry P_2O_5



Effective Area of Recovery



Estimated on 32K Plant Population

www.nachurs.com

Corn Root Mass vs Recoverability

- 12" Root Mass Diameter = 35% Recovery of Soil Test Values
- 8" Root Mass Diameter = 15% Recovery
- 6" Root Mass Diameter = 9% Recovery



Based on 4" Depth and 32K Planting Target Population

Nutrient Mobility in the Soil



➤ Mobile

- Nitrogen
- Sulfur
- Boron
- Manganese
- Chloride

➤ Somewhat Mobile

- Potassium
- Calcium
- Molybdenum
- Cobalt
- Nickel

➤ Immobile

- Phosphorus
- Magnesium
- Copper
- Iron
- Zinc

← 675 lbs or 64% has little to no mobility in the soil →

300 BPA Corn Crop requires 1059 lbs. of total nutrient per acre

What makes Different?

- **Placement** – Greater flexibility of application and treatment timing
- **Solubility** – Initial solubility and ability to remain soluble
- **Transport** – Ability to move into and throughout the plant
- **Health of Rhizosphere** – Links the Crop with the Soil Biome
- **Effectiveness** – Improves nutrient uptake resulting in increased crop yield and quality



Water Solubility

Percent Humidity to Keep Potassium Soluble

Minimum % relative humidity for plant uptake of K sources:

Potassium acetate (NACHURS Bio-K)	23.3%
Potassium carbonate	44%
Dipotassium phosphate	50%
Potassium thiosulfate	64.5%
Potassium chloride	85%
Potassium sulfite	88.5%
Potassium nitrate	93.2%
Monopotassium phosphate	97%
Potassium sulfate	97.2%

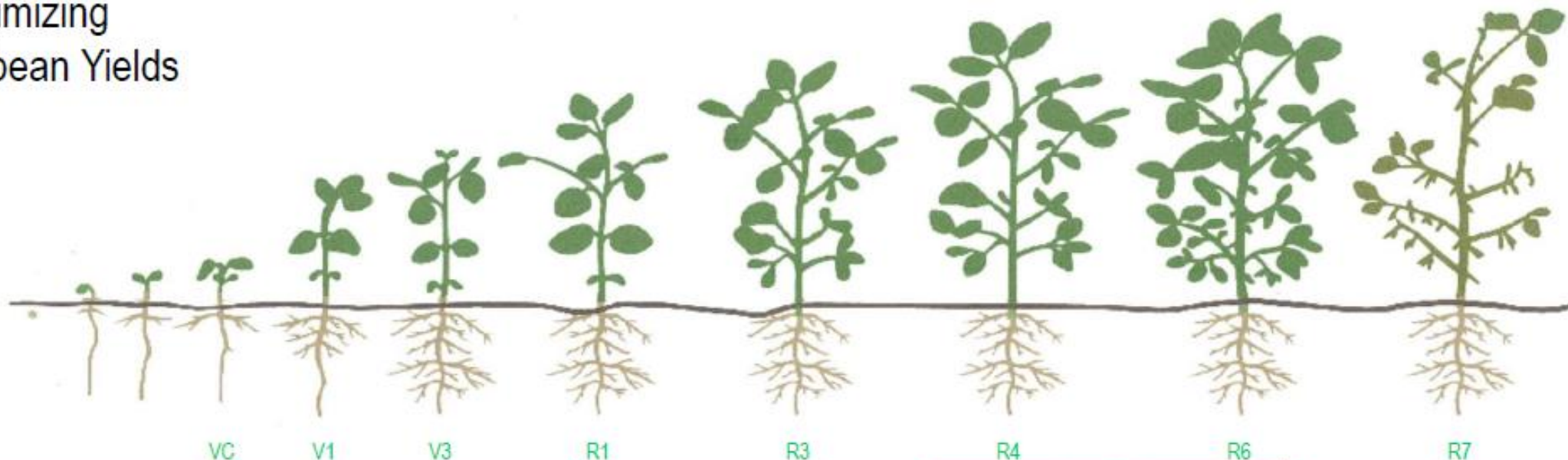




**Nachurs Manufacturing Plant
- St. Gabriel LA**



Maximizing Soybean Yields



Base In-Furrow Program Options 15" Rows

NACHURS Triple Option (3 gpa)

NACHURS Triple Option + NACHURS Balance (1:1 At 3 gpa)

Base In-Furrow Program Options 30" Rows

NACHURS Triple Option (2 gpa)

NACHURS Triple Option + NACHURS Balance (1:1 At 2 gpa)

Base Early Foliar Program Options:

NACHURS Finish Line (1 qt/ac)

Base Mid Foliar Program Options:

NACHURS Finish Line (1-2 qt/ac)

Additional Options:

NACHURS Triple Option (1 gpa)

NACHURS playmaKer (1 gpa)

NACHURS K-Flex (1 gpa)

NACHURS 10% Boron (.5-1 pt/ac)

Base Late Foliar Program:

NACHURS Finish Line (1-2 qt/ac)

Additional Options:

NACHURS Triple Option (1 gpa)

NACHURS playmaKer (1 gpa)

NACHURS K-Fuel (1 gpa)

Base Fertigation Program Options:

NACHURS K-Flex (1-2 gpa)

NACHURS K-Fuel (1-2 gpa)

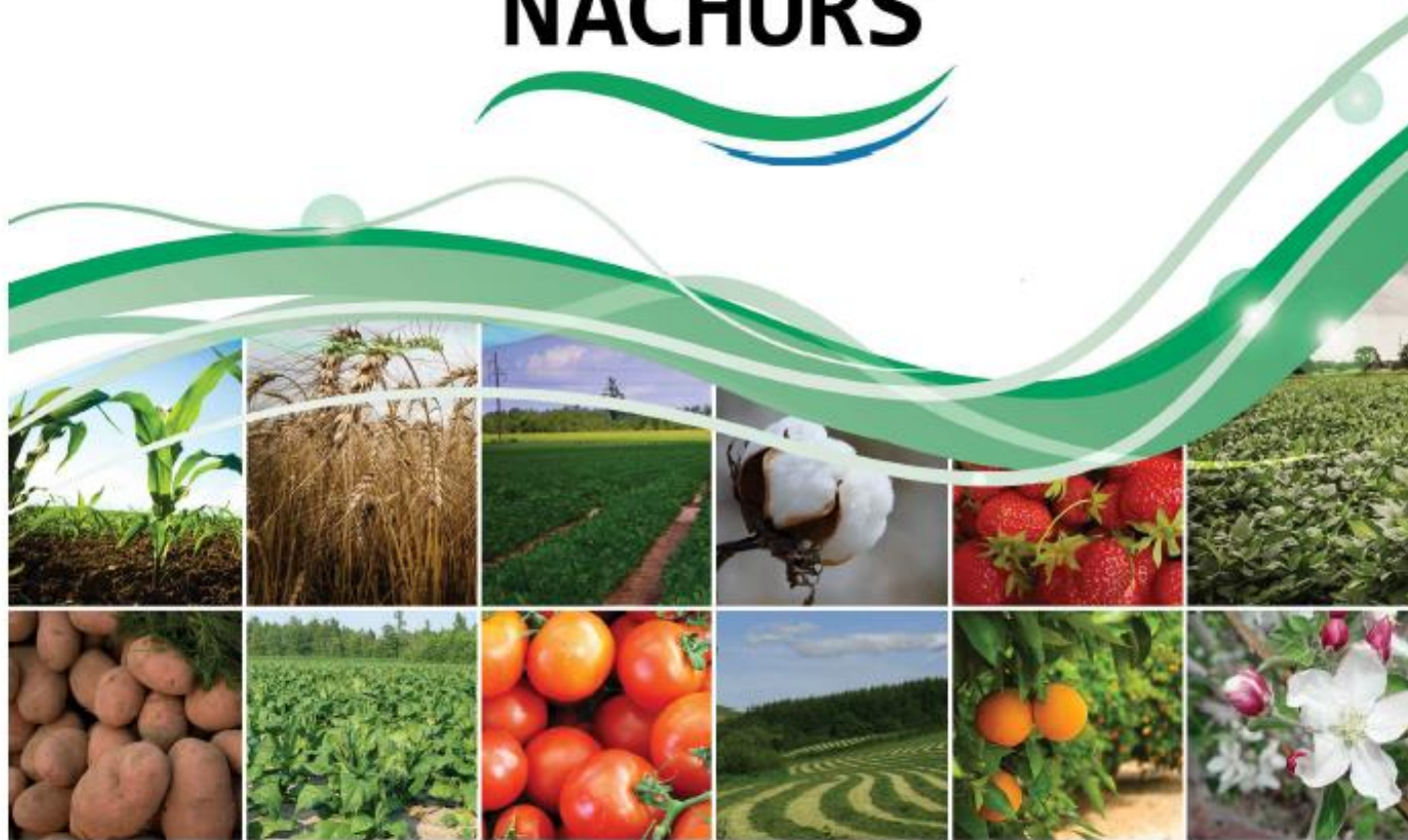
Aqua-Tech 2-0-20 (1-2 gpa)

Additional Options:

NACHURS Sideswipe (1 qt/ac)

Priority Target Treatments ★

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