

# PLANT GROWTH REGULATORS (PGR'S)



# PLANT GROWTH REGULATORS (PGR'S) INTRODUCTION

## Comprehensive Action on Crops: Physiological Innovation and Sustainability with Plant Growth Regulators (PGRs)

At Sonar Agro, we drive solutions based on advanced plant biotechnology to optimize every stage of crop development. Our products act directly on the physiological and hormonal processes of plants, promoting balanced growth, flowering, fruit set, and maturation, while increasing production and improving fruit quality.

The action of our plant growth regulators translates into greater **agronomic efficiency, better harvest uniformity, enhanced resistance to stress factors, and reduced use of traditional chemical inputs.** This clean and environmentally friendly technology is compatible with sustainable organic production systems and high traceability standards, actively contributing to a modern, responsible, and productive agriculture.

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# ACTIONS

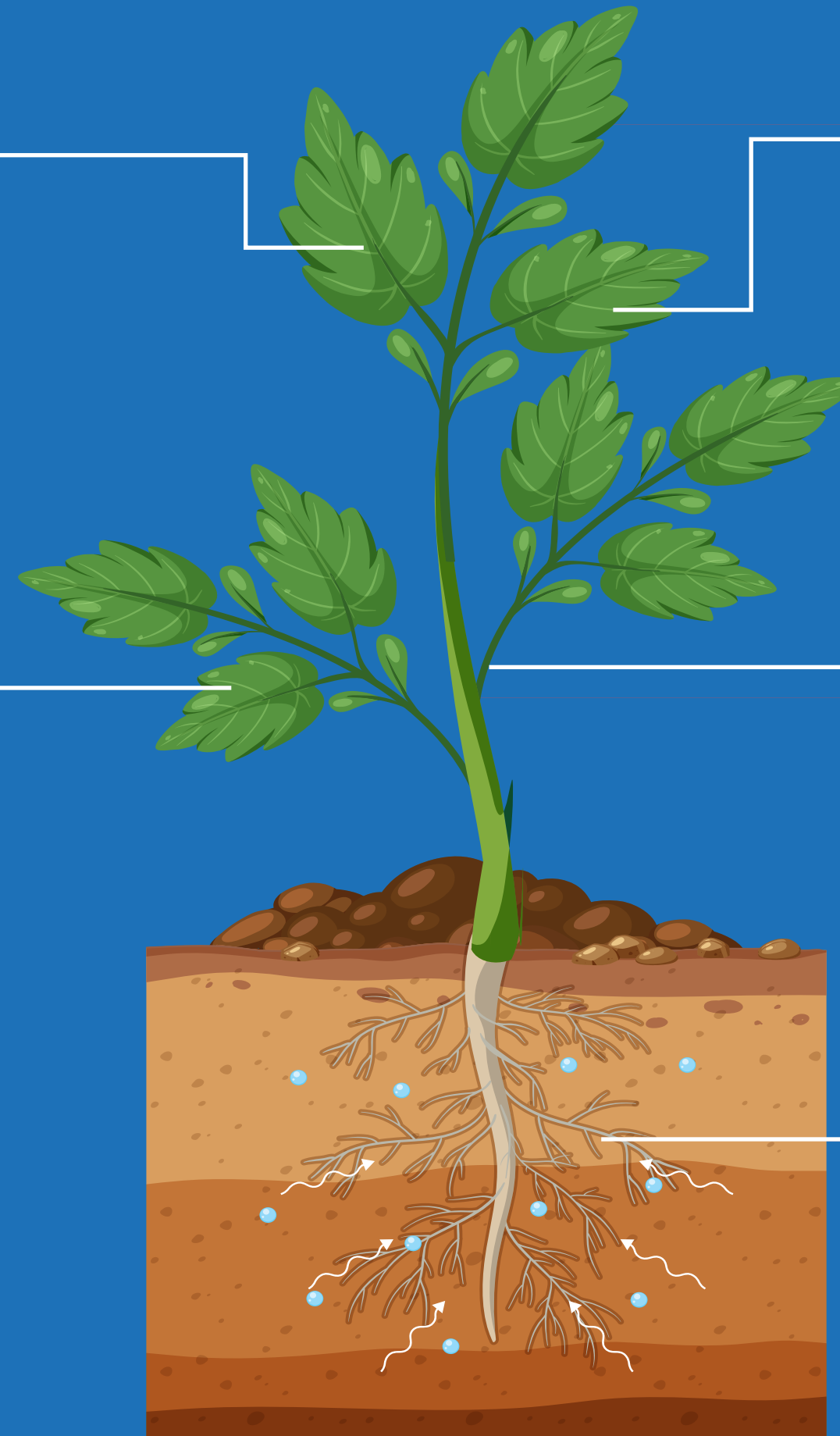
# PLANT GROWTH REGULATORS (PGR'S)

## Physiological Action:

- Stimulation of vegetative growth
- Promotion of rooting
- Strengthening of plant vigor

## Hormonal Action:

- Specific hormonal interaction
- Synchronization of hormonal balance
- Stimulation of auxins/gibberellins/cytokinins



## Ecological Aspects:

- Sustainable crop management
- Stimulation of natural defenses
- Increased plant resilience to biotic and abiotic stresses.

## Increased Production:

- Improved yield per hectare
- Maximizing production efficiency
- Reducing stress-related losses

## Clean production:

- Production free of harmful waste
- Contributing to food safety
- Promoting traceability



# PRODUCTS

## PLANT GROWTH REGULATORS (PGR'S)

### BLOOMOR



#### COMPOSITION

	%W/V
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CPPU (Forchlorfenurum)	1,0
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- IMPROVES FRUIT SIZE
- INCREASES IN YIELD / QUALITY

### FITON



#### COMPOSITION

	%W/V
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6-Benzyladenine (6-BA)	1,8
Gibberellic Acid (GA 4+7)	1,8

- STIMULATES CELL GROWTH
- IT IMPROVES FRUIT SET
- IT INCREASES FINAL FRUIT SIZE
- IT REDUCES THE INCIDENCE OF RUSSETING

### SONAR FORCE



#### COMPOSITION

	%W/V
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Free amino acids	17,0
AATC	6,0
Total Nitrogen (N)	3,0
Organic nitrogen (N)	3,0

- BOOSTS CROP YIELD
- DEFENDS AGAINST PATHOGENS
- ACTIVATES PLANT ENZYMES
- ENHANCES GROWTH NATURALLY



# PRODUCTS

# PLANT GROWTH REGULATORS (PGR'S)

## SONAR FRUIT



### COMPOSITION

%W/V

ANA (1-Naphthaleneacetic acid)(SL) 85g/L	8,5
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- REGULATES FRUIT ABSCISSION
- PROMOTES OR DELAYS FRUIT DROP
- ACTS THROUGH AUXIN ACTIVITY
- APPROVED FOR APPLES AND PEARS

## SONAR GIB



### COMPOSITION

%W/V

Gibberellic acid (GA3)	10,0
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- AVOID WIND DRIFT TO NEARBY CROPS
- PREVENT PRODUCT DECOMPOSITION

## SONAR GROWTH



### COMPOSITION

PPM

Gibberellines	500 ppm
Auxines	500 ppm
Cytokinins	200 ppm
Cisteine	500 ppm
Tiamine	1110 ppm
Inositol	200 ppm

- EXCELLENT FLOWERING AND FRUIT SET
- OPTIMAL HORMONAL BALANCE



# PRODUCTS

## PLANT GROWTH REGULATORS (PGR'S)

### SONAR MAX



#### COMPOSITION

%W/W

Cytokinins	3000 ppm
Total Nitrogen (N)	6,00
Calcium (CaO)	9,00
Fulvic Acids	5,50
Chelating agents	3,60
Density	1,35

- INCREASES THE FORMATION AND DIFFERENTIATION OF NEW TISSUES AND LATERAL BUDDING
- FAVORS THE FORMATION OF FLOWER BUDS
- DELAYS THE SENESCENCE OF THE PLANTS.

### SONAR SEA



#### COMPOSITION

%W/V

Ecklonia Maxima Extract	30,00
Naftilacetic Acid (ANA)	0,45
ANA Amide	1,20
Folic acid	0,10

- ALLEVIATES THE EFFECT OF STRESS.
- IMPROVE NUTRIENT UPTAKE.
- IMPROVES SHELF-LIVES DURING COLOR STORAGE.
- INCREASES ROOT MASS AND GROWTH OF SEEDINGS.
- INCREASES THE NUMBER OF FRUIT, SIZE, COLOR, NUMBER AND SUGAR.

### VETRA



#### COMPOSITION

%W/V

Gibberellic acid (GA <sub>3</sub> )	0,1
Naphthoxyacetic acid (BNOA)	3,5


- EARLY RIPENING
- GREATER FRUIT DEVELOPMENT
- INCREASED SIZE
- PREVENTION OF HOLLOW OR MISSHAPEN FRUITS



# CROPS

## BLOOMOR



-  TOMATO
-  WATERMELON
-  STRAWBERRY
-  TABLE GRAPE
-  CITRUS






## FITON



-  APPLE
-  PEAR
-  SWEET CHERRIES



## SONAR FORCE



-  STRAWBERRY
-  CITRUS
-  GRAPES
-  NUTS
-  POTATOES






## SONAR FRUIT



-  APPLE
-  PEAR






## SONAR GIB



-  ARTICHOKE
-  CLEMENTINE
-  LEMON
-  PEAR
-  VINE

## SONAR GROWTH








-  COTTON
-  MELON
-  WATERMELON
-  POTATO
-  TOMATO



# CROPS

## SONAR MAX



-  BANANA
-  CEREALS
-  COTTON
-  RICE
-  VINE

## SONAR SEA



-  CUCUMBER
-  KIWI
-  LEGUMES
-  APPLE
-  STRAWBERRY

## VETRA



-  AUBERGINE
-  CITRICS
-  STRAWBERRY
-  PEAR
-  WATERMELON






## SONAR AGRO S.L.

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