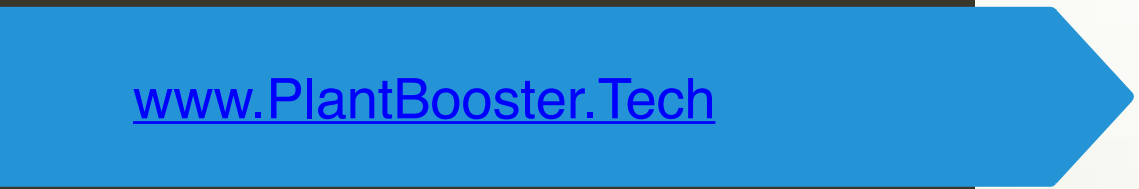


# RESULTS IN BOLIVIA SUMMER OF 2020

## "Crop Booster"



[www.PlantBooster.Tech](http://www.PlantBooster.Tech)

# Mission

Help all farmers grow crops **healthier**, from **Best Quality**, at a lower cost, with **higher performance**, and taking care of our planet.



**bolivian  
brokers**



# Problems

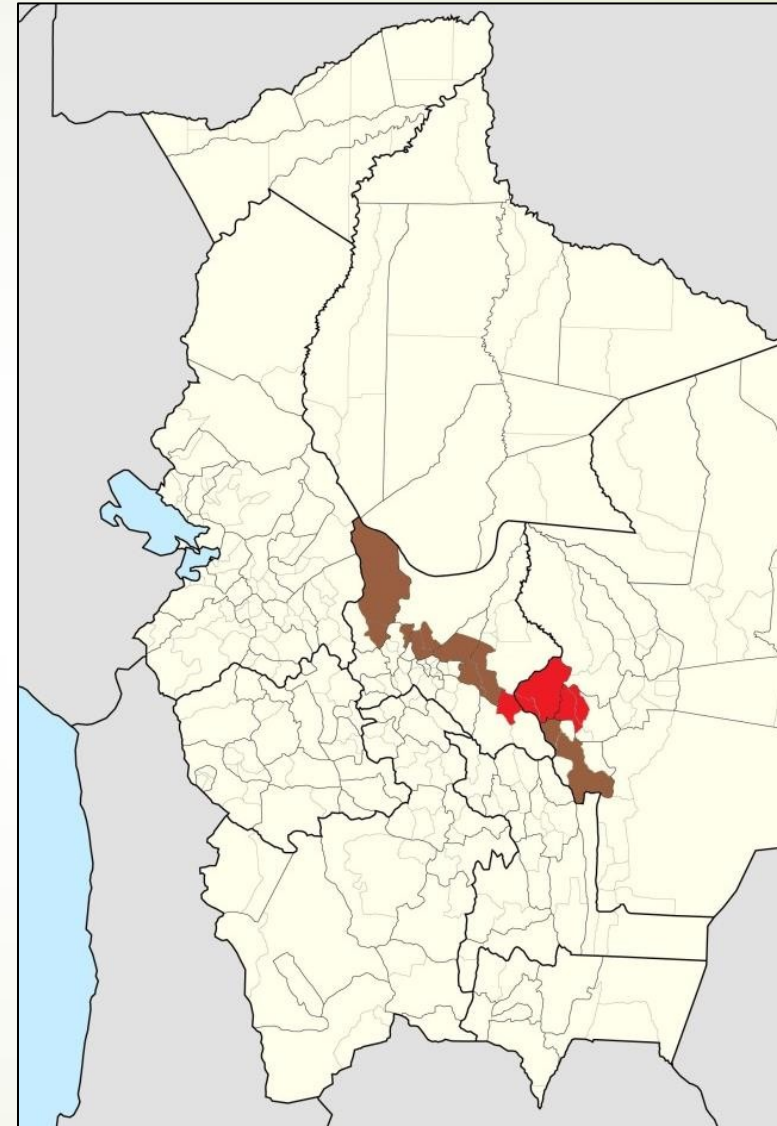
- Low growth and root development
- Limited assimilation of nutrients
- Disuniformity in fruit size
- Short postharvest life and low commercial value

**INITIAL approach** (Solanaceae)

Dad  
Tomato  
Peppers

## Una demanda creciente

La FAO estima que la **producción agrícola debe aumentar en un 60%** para el año 2050 con el fin de alimentar a una población mayor y generalmente más rica.



## CROP BOOSTER

(ondas de radio de baja frecuencia)

FECHA DE FABRICACIÓN: / /2020

FECHA DE REPOSICIÓN: / /2022



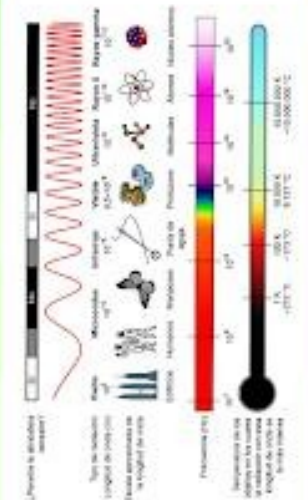
Este dispositivo promueve un crecimiento más vigoroso y saludable del cultivo, aumenta la eficiencia en la absorción de nutrientes y mejora el sistema radicular. Está compuesto por transmisiones instantáneas de audio que emiten más de 2000 señales de radiofrecuencia específicas y únicas que se transmiten con el agua de riego. Funciona una sola vez de 4 años a partir de su instalación en campo.  
Mayor información: [www.organisocatam.com](http://www.organisocatam.com)

**BM bolivian brokers**

DISTRIBUIDORES AUTORIZADOS PARA BOLIVIA  
Av. Beni Nro. 4589 - Edificio Du Nord - Oficina 5B - Santa Cruz

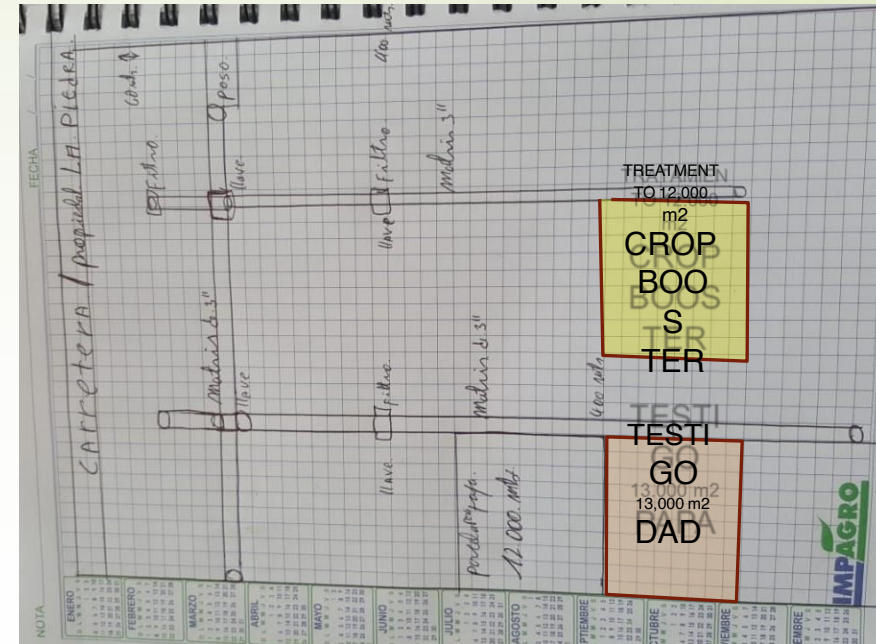
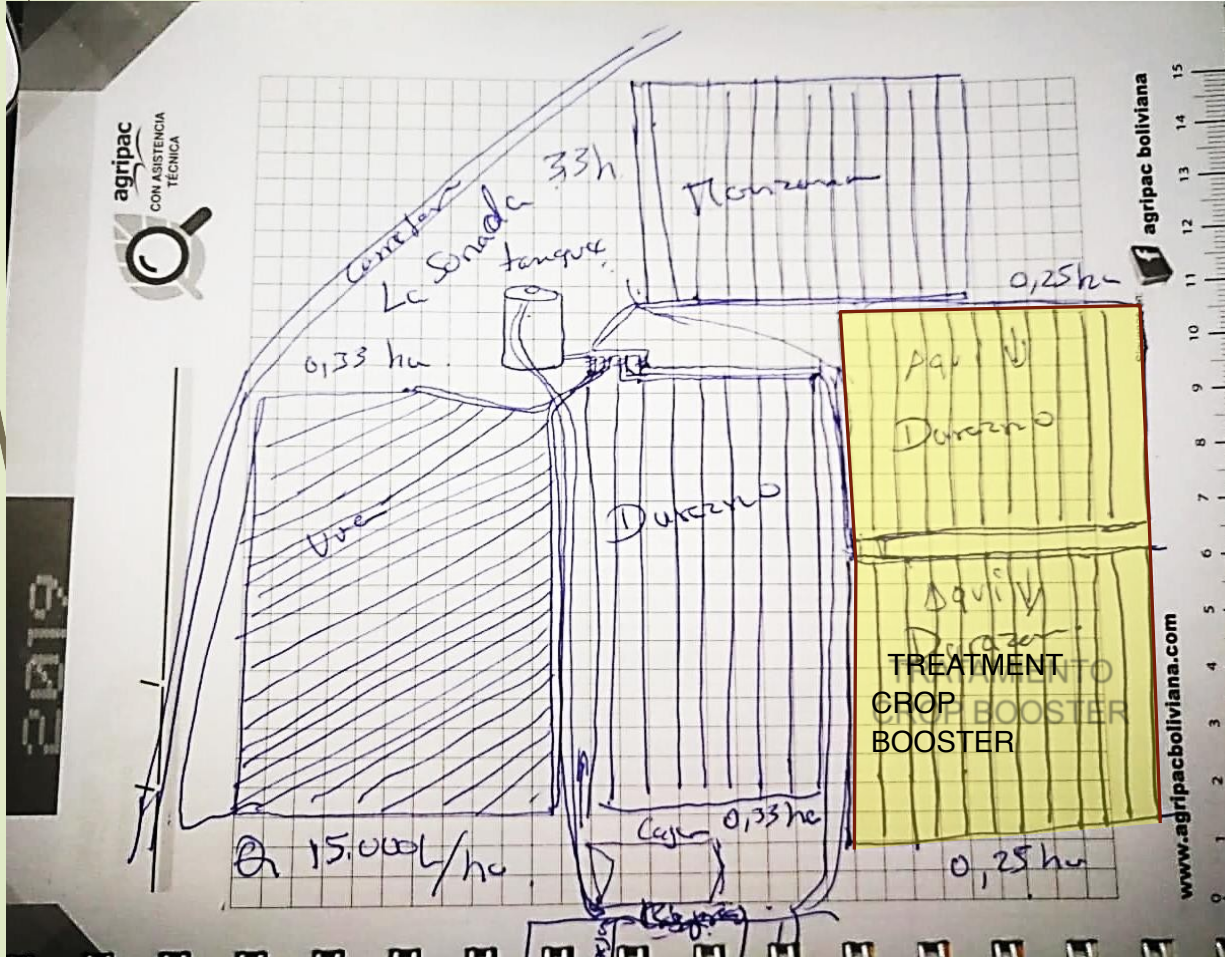
TELEFONO 322-7990 - CELULAR 721-20598  
[bolivia@commerx.com.bo](mailto:bolivia@commerx.com.bo)

ID#:



# Demonstration Plots

## Phase of *planning*

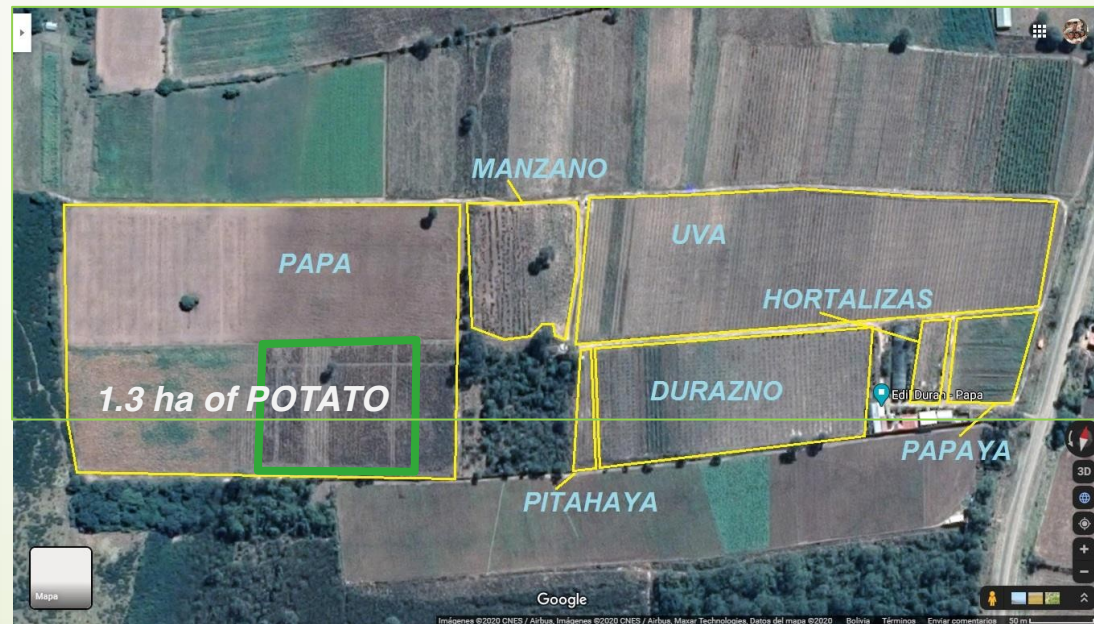


# Demonstration Plots

Phase of *execution*



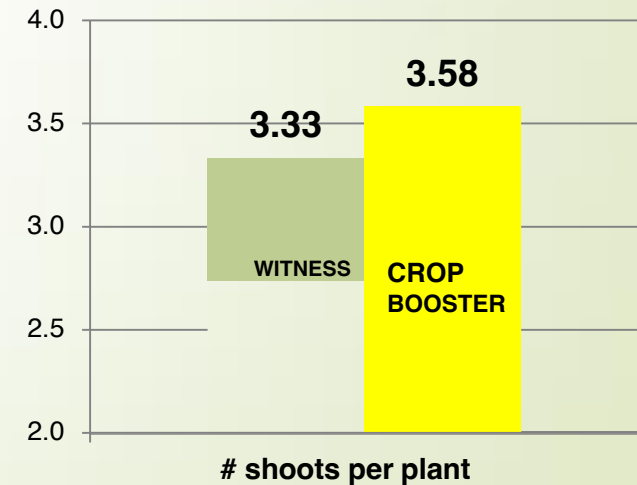
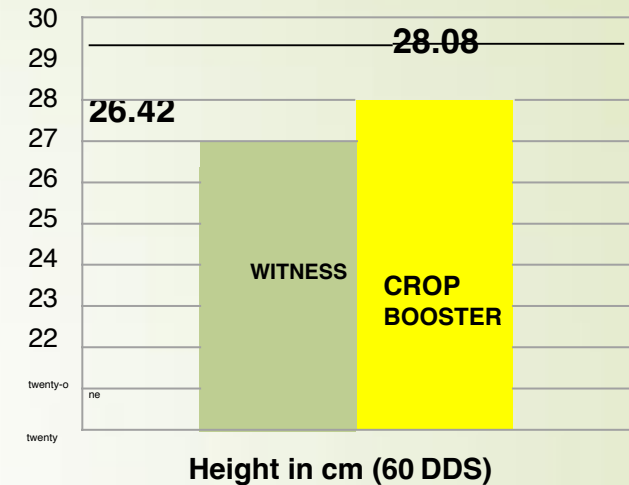
**bolivian  
brokers**



# RESULTS

## Desiré variety potato (Melendres)

- Date: July 2020
- Place: Quirusillas, Florida Province  
Department of Santa Cruz, Bolivia
- Area: 10,000 m<sup>2</sup>
- Density: 30,000 pl / ha furrows at 70 cm
- **Results at 60 days (60 DDS):**
  - Plants are taller by 1.67 cm (**6.31%**) Each plant has 0.25 additional shoots (**7.35%**)
- The resulting additional biomass allows a greater accumulation of photosynthates and energy reserves



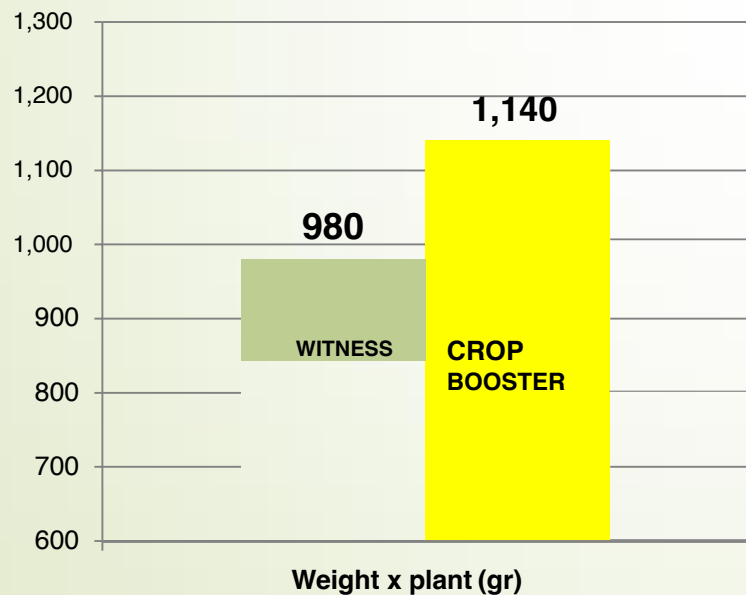
# Demonstration Plots

## Desiré variety potato (Melendres)

### - Results at 97 days (97 DDS):

Each plant has 1 additional tuber (8.33%) Each tuber weighs an additional 6 g (7.38%)

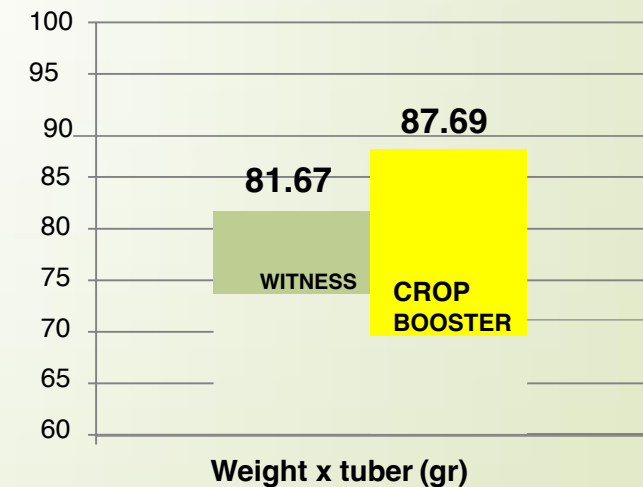
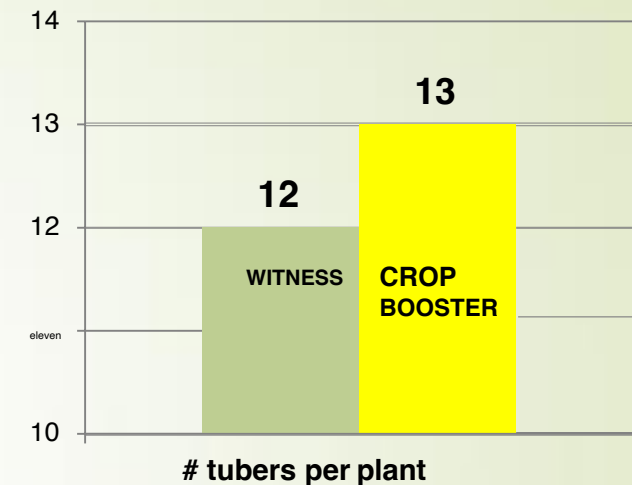
### - Each treated plant is producing 160 gr more



In 30,000 pl / ha  
could be achieved:

**4.8 MT  
ADDITIONALES**

**16.33%**



# Detected benefits of Crop Booster in Potato

- Up to 97 DDS a **additional 16%** of production:
  - A commercial lot with an expected yield of 29.4 MT / ha
  - Crop Booster increases to a yield of ..... 34.2 MT / ha + 4.8 MT
- Each day you can increase 1 MT of fresh matter up to 105 DDS.
- At harvest, the distribution of sizes between treatments will be evaluated.






# Why Crop Booster?

9



**bolivian  
brokers**

Nombre	Carmelo Melendres	 <b>bolivian brokers</b>
Telefono	+591 78469088	
Zona	Quirusillas, Santa Cruz	
Cultivo	Papa	
Has Totales		6
Costo Fertilizantes y Pesticidas por Ha/Año		
Kilogramos Por Ha/Año		29.400
Precio por Kilogramo		\$0,41
Ahorro Fertilizante y Pesticida		
Produccion Adicional		16,33%
Ahorro (F + P) + Produccion Adicional/ha/ Año	<b>\$1.546,53</b>	Crop Booster \$800,00
Total Ahorro + Prod. Adicional por Area Total de Cultivo/Año	<b>\$9.279,18</b>	\$4.800,00

## What if the farmer used Crop Booster on his entire plot?

10



bolivian  
brokers

### Scenario in which the farmer was producing

Surface	he has	6
Population	pl / ha	30,000
Performance	kg / ha	29,400
Arrobas (11.34 kg)	@	2,593
Cost per ha	Bs	55,000
	USD	7,902
<b>Production value</b>		
Expected price	Bs / @	32.00
	USD / kg	0.41
	USD	11,920
Utility	USD / ha	4,018
<b>Net profit</b>	<b>USD</b>	<b>24,106</b>

### Scenario incorporating CROP BOOSTER technology

Surface	he has	6
Population	pl / ha	30,000
Performance	kg / ha	34,201
Arrobas (11.34 kg)	@	3,016
Cost per ha	Bs	57,784
	USD	8,302
<b>Production value</b>		
Expected price	Bs / @	32.00
	USD / kg	0.41
	USD	13,866
Utility	USD / ha	5,564
<b>Net profit</b>	<b>USD</b>	<b>33,385</b>

+ 16.33%

- USD 400

+ USD 1,547





15/septiembre/20  
61 DDS



17/agosto/20  
32 DDS



17/agosto/20  
32 DDS



**TESTIGO**

**CROP  
BOOSTER**

15/septiembre/20  
61 DDS



**TESTIGO**

**CROP  
BOOSTER**



15/septiembre/20  
61 DDS

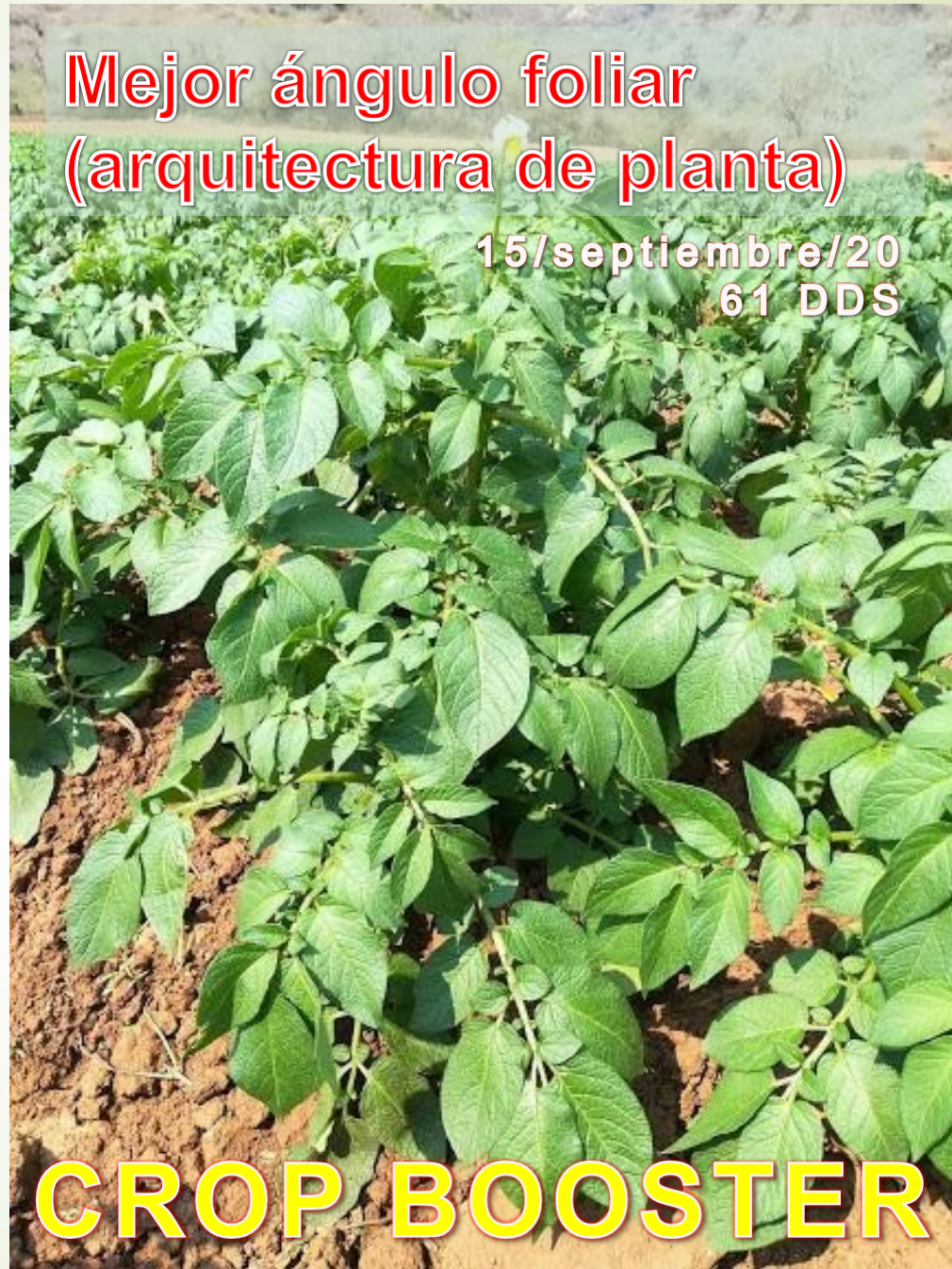
15/septiembre/20  
61 DDS



**TESTIGO**

**Mejor ángulo foliar  
(arquitectura de planta)**

15/septiembre/20  
61 DDS



**CROP BOOSTER**



**TESTIGO**

**CROP  
BOOSTER**

## Demonstration Plot

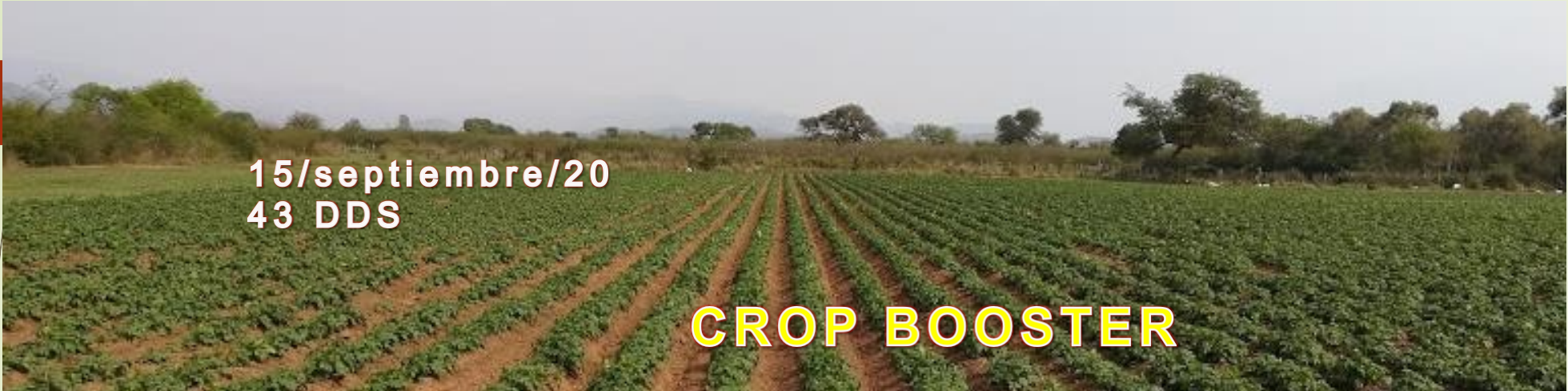
Durazno - Semitempranero  
Property La Soñada (1 ha)

15/septiembre/20  
43 DD Instalación



29/julio/20 día 0





15/septiembre/20  
43 DDS

**CROP BOOSTER**



**CROP  
BOOSTER**



**TESTIGO**



**CON CROP  
BOOSTER**

**Mejor  
cobertura del  
entresurco**

**Fotosíntesis:  
48,9 unidades  
SPAD 502**



**SIN CROP  
BOOSTER**

**30/septiembre/20  
58 DDS**

**Fotosíntesis:  
47,3 unidades  
SPAD 502**



# Demonstration Plot

Green Paprika - Green Chili  
Variety Aristotle

