

+PROD

Field trial
to evaluate its effectiveness on the
production of **strawberry** crop
(*Fragaria vesca*)



Pedro Pablo Japón
General Manager
Phytest Hispania, S.L.

The Product

+PROD is a liquid **bioestimulant** soluble in water.

It contains **natural organic compounds**, microelements and **metabolic fuels** that favors the generation and transport of photoassimilates necessary for production.

The Product

+PROD has been developed by the **R+D+i** department of **ARTAL Agronutrientes** together with various Universities and Research Centers in order to:

- **Increase production.**
- **Improve the quality of the crops.**



FS Trials





PHYTEST HISPANIA S.L.

Objetives

Evaluate the effectiveness of the product **+PROD** on performance in growing strawberry in Huelva area.

Compare the effectiveness of **+PROD** fertilization program added to the farm.





PHYTEST HISPANIA S.L.

Materials and Methods

Location: **Almonte (Huelva)**

Crop: **Strawberry** - Variety: **Splendor**

Fecha de plantación: 23 Octubre

+PROD plot size:

2.20 m wide x 60.0 m long (x 2 lines)

Test plot area:

2.20 m wide x 60.0 m long (x 2 lines)

Type of Application: drip irrigation



PHYTEST HISPANIA S.L.

Materials and Methods

Evaluation of flower number and number of fruit set:

Sub-plot size: 50 plants

Number of Sub-plots: 4

Total Plot Size: 200 plants

Evaluation of harvest:

Sub-plot size : 105 plants

Number of Sub-plots : 4

Total Plot Size : 240 plants

Sub-plot Size: 16.5 m² (15 linear meters)

Plot Size: 66.0 m² (60 linear meters)



PHYTEST HISPANIA S.L.

Materials and Methods

+PROD dose : 5 applications at a rate of 5 L/Ha by drip irrigation

+PROD application dates:

1st application: November 26th

2nd application: December 27th

3rd application: January 25th

4th application: February 24th

5th application: March 25th



Results and discussion

No. of flowers evaluation on December 27th

TREATMENT	Sub Plot 1	Sub Plot 2	Sub Plot 3	Sub Plot 4	TOTAL PLOT
Test	85	90	81	82	338
+PROD	105	107	101	112	425

Increase = 25,7%





PHYTEST HISPANIA S.L.

Results and discussion

No. of fruit set evaluation on January 25th

TREATMENT	Sub Plot 1	Sub Plot 2	Sub Plot 3	Sub Plot 4	TOTAL PLOT
Test	170	165	181	172	688
+PROD	190	184	189	212	775

Increase = 12,6%



Results and discussion

Total fruits harvested in April

TREATMENT	No. fruits (66m2)	Increase in No. fruits (%)
Test	4.166,0	-
+PROD	4.776,0	+14,64





PHYTEST HISPANIA S.L.

Results and discussion

Total production (Kg) accumulated in April

Treatment	Production (Kg in 66m2)	Production (Kg/Ha)	Increased production in Kg (%)
Test	90,41	13.698,0	-
+PROD	104,40	15.818,0	+15,48





PHYTEST HISPANIA S.L.

Conclusions

The application of Biostimulant **+PROD** has the following **positive effects** on **strawberry** crops

- **Increases flowering and fruit set**
- **Increases production (Kg/Ha)**
- **Increases the number of fruits**





PHYTEST HISPANIA S.L.

Conclusions

Applying **+PROD** on **strawberry** we get to **increase**:

Flowering + 25,7%*

Fruit set + 12,6%**

No. of fruits + 14,6%***

*After 1 application
** After 2 applications
*** After 5 applications



+PROD

PRODUCTION OF STRAWBERRY CROPS



PHYTEST HISPANIA S.L.

Conclusions

Applying **+PROD** on **strawberry** crops we get
More production

+ 15,48%