



Biostimulant evaluation

Performance and mode of action



At Vegenov, our teams provide a range of tests and tools to evaluate the performance and the mode of action of your biostimulants on:

- ◆ Plant growth and development (germination, rising, rooting, biomass, phenology ...)
- ◆ Nutrient uptake and assimilation (Nutrient contents, photosynthetic capacity, enzyme activities ...)
- ◆ Plant tolerance to abiotic stresses (drought stress, anoxia, thermal stress, nutrient deficiency ...)
- ◆ The nutritional and sensorial quality of harvested products (taste, texture, vitamins, glucosinolates ...)
- ◆ Modification of genes expression (Microarray, qPCR)



greenhouse



Impact of water stress on the development of the potato



SPAD measurements on cauliflower

We have at our disposal tools and equipment adapted to laboratory scale

- ◆ 650 m² of greenhouse equipped with independently controlled compartments
- ◆ 9 regulated growth chambers
- ◆ Automatic watering and fertilization
- ◆ Sensorial analysis room and biochemistry laboratory
- ◆ Molecular lab

We can evaluate your products on different plant species such as potato, tomato, lettuce, cauliflower and strawberries.



















Other tests and tools are currently under development to complete our range. We can also develop tests on other plants according to your requests.

Principal assays

Growth, development and study of abiotic stress

You would like to evaluate your biostimulants and/or varieties for their impact on growth, development, nutrition or abiotic stress resistance ?

The protection and nutrition team of Vegenov has developed a large choice of trials to answer your needs:

Plant		Growth and development	Abiotic stress
Field crops	Wheat	x	  
	Rape	x	
	Corn	x	 
	Barley	x	
	Rye-grass	x	
Fruits and Vegetables	Coli Flower and cabbage	x	 
	Cucumber	x	
	Lettuce	x	  
	Melon	x	
	Pea	x	
	Tomato	x	  
Horticulture and specialised crops	Chrysanthemum	x	
	Rose	x	



Water stress



Heat stress



Nutritional stress



Salt stress

New assays are being developed, we can also developed new trials according to your needs. **Ask us!!!!**