

S-Absciscic Acid(S-ABA)

S-Absciscic acid is a kind of plant growth balance factor, a natural component which can be found in all green plants.



CAS No. : 21293-29-8
Molecular Formula : $C_{15}H_{20}O_4$
Molecular Weight : 264

TC : 95%, 90%, 80%
SP : 10%

► Functions:

1. S-ABA can initiate resistance gene expression in plants and activate the anti-stress immune system. It can improve plant resistance to drought, heat, cold, pest, saline and alkali. It plays an important role in the agricultural production, such as water conservation, disaster reduction, production guarantee and environment recovery.
2. S-ABA is a natural component which can be found in all green plants. It is produced through micro-organism fermentation process to gain high purity and growth activity concentrates. This product is not hazardous nor irritative to people or animals. It is a new kind of highly-effective and environment friendly plants growth substance.
3. It can observably promote the coloring of table grapes and improve contents of sugar and soluble solid.
4. Enhance absorption of nutrient by crop roots, increase efficiency of fertilizer. S-ABA can be used as a compound with other ingredients to decrease the negative effect of pesticide, reduce fruit-malformation, empty fruit and avoid fruit-cracking.

► Applications:

Crop	Application time	Concentration(ppm)	Application method	Performance & Effect	Remarks
Rice	Seed handling stage	0.3-0.4	Seed soaking	Increase survival rate of transplanting.	It can't be mixed with alkaline pesticides. Please implement experiment before large-scale use.
Rice	Seedling stage	1-2	Foliar spray	Increase tiller.	
Cotton/Peanut	Seedling stage	1.5-2.5	Foliar spray	Increase yield.	
Vegetable	Seedling stage	2.5-10	Foliar spray	Promote root growth.	
Fruit	Forming stage			Increase the number of flowering.	
Grape	Color turning stage	100-400	Fruit spray	Enhance production and increase degree of coloring and quality to enter market earlier.	
Vegetable	After transplant	2	Fertigation	Promote rooting. Increase number of flowers.	
Fertilizer	Compound fertilizer formulation	1-2	Fertigation	Enhance production and increase absorption of crops to N, P, K, Ca and Mg. Enhance resistance ability of crops.	
		10-20	Spray		

*The above information in this publication, is, to be best of our knowledge, true but since the conditions of use are beyond our control, the values provided are not to be considered as a warranty. Please conduct small-scale field experiment in prior to mass application. Or consult local agro technician for guidance.