



Premium products for quality crops



Sangral™ 13-0-45 + TE

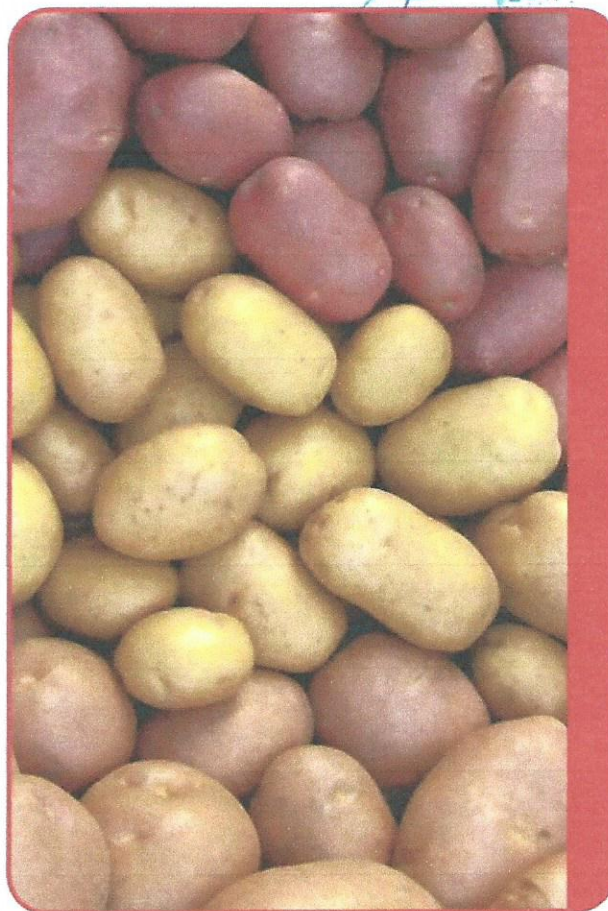
NPK Specific Information

Sangral™ 13-0-45+TE is a high potassium formula with a $N:P_2O_5:K_2O$ ratio of 1:0:3. This formula can be used in the most intensive growth stage of the plant: the reproductive stage. Potassium is responsible for the transport of carbohydrates from the leaves to the reproductive organs (fruit, seed, and tubers), resulting in higher yield, better quality and consequently a higher farmers income.

To maximize the yield and quality of the crop, it is important to give sufficient potassium during flowering and harvest. This 1:0:3 formula is perfect for heavy fruiting crops such as tomatoes, melon, and strawberry.

A predominant presence of NO_3 towards NH_4 and NH_2 assures sufficient uptake of Ca^{2+} and Mg^{2+} and avoids root degeneration, especially when high soil temperatures occur. Additionally, nitrogen losses through volatilization are avoided.

Sangral™ 13-0-45+TE can be used to complete the potassium need of crops without supplying an excess of sulfate or chloride, as would be the case with potassium sulfate or potassium chloride.



Choosing for Sangral™ is choosing for a pure, easy to use, high quality product.





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Fertigation/Drip Irrigation Schedule :

CROPS	APPLICATION TIME	AVERAGE DOSAGE PER WEEK	NUMBER OF APPLICATIONS PER WEEK
Vegetables:	Flowering to fruit initiation	40 kg/ha	3-6
Tomato, Cucumber, Melon, Strawberry, Pepper etc.	Fruit initiation to ripening	80 kg/ha	3-6
	Harvest	18 kg/ha	3-6
Greenhouse crops:	Same general recommendation but more frequent fertigation up to 10 times a week		
Tomato, Cucumber, Melon, Strawberry, Pepper, etc.			
Fruits:	Planting and vegetative growth	40 kg/ha	3-6
Melon, Watermelon, etc.	Fruit development to harvest	30 kg/ha	3-6
Fruit trees: Stone fruits, Apple, Quince, Dates, Pomegranate, Banana and Pistachios, etc.	Fruit development	30 kg/ha	2-6
	Ripening of the fruits	20 kg/ha	2-6
Citrus: Young trees	Start of summer over fruit development	55 kg/ha	2-6
Bearing trees		115 kg/ha	
Grapes	Grape growth to fruit initiation	25 kg/ha	2-4
	Fruit development and growth	35 kg/ha	2-4
	Grape ripening	20 kg/ha	2-4
Potato	During tuberization	45 kg/ha	3-5
Cereals and Tobacco:	Active tillering	25 kg/ha	
Wheat, Rice, Corn, Barley, and Tobacco, etc.	Flowering to grain filling and maturation	105 kg/ha	3-4
Ornamentals: Rose, Carnation, Gerbera, Bulbs, etc.	Between shoot and harvest of flower	45 kg/ha	2-5

Foliar Application Schedule :

CROP	RATE PER APPLICATION	APPLICATION TIME	NUMBER OF APPLICATION
Field crops	9-11 kg / ha	During vegetative, before and after flowering, fruit/grain development	3 times per season
Orchards	1-3 kg /1000 liter of water	Starting from leaf emergence	2-5 times per season

- Recommended time of application is early in the morning or in the late afternoon.
- When a range of rates is recommended, the lower rate should be applied when leaves are young and the higher rate to fully grown leaves.
- To obtain maximum benefit, foliar applications should be started as early as possible in the season, as soon as there is sufficient leaf area to absorb the spray.

