

# Use of beneficial insect attractants (food sprays) and spray additives

The application of food sprays in cotton crops enables beneficial insects (particularly predators) to be attracted retained and conserved in the crop. Food sprays cannot manage cotton pests alone but combined with other IPM compatible tools they can help manage cotton pests and minimise synthetic insecticide use without sacrificing yield.

There are two type of food spray. The yeast based food spray attract beneficial insects while the sugar based food spray help retain beneficials that are already present. For more information on the use of food sprays see page 52.

**TABLE 16: Food sprays and spray additives**

Active ingredient	Concentration and formulation	Application rate of product	Comments
Food concentrate (yeast based) sucrose, lactose, alkyl aryl sulfonate, sodium ligno sulfate	WP	2.5 kg/ha	Beneficial insect attractant. Apply prior to increase of pests. See labels of each product for notes on spray coverage.
Food flavouring (sugar based)	265 g/L WP	0.25 L/ha 0.5 L/ha	Ground application Aerial application Spray additive to improve acceptance of insecticides by pests. Encourages feeding of stomach ingested insecticides.

**TABLE 17: Food sprays and spray additives trade names and marketers**

Active ingredient	Concentration and formulation	Trade names	Marketed by
Food concentrate		Predfeed	Growth Agriculture
Food flavouring	265 g/L	Mobait	Nufarm (Agnova Technologies)

## Insecticide & Bt Resistance Testing

In-season testing of field populations of



**Helicoverpa - Mites - Aphids - Whitefly**

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to monitor changes in resistance across the industry

**Providing information critical to pest management**

Learn about resistance, species composition and parasitism levels on your farm.  
Arrange delivery of collections by contacting the people above.

