



MOVENTO® 100SC

Using Movento® 100SC in Grapes

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Late in 2017, the Movento 100SC label use in grapes was extended to allow an application immediately after flowering.

Using Movento 100SC In GrapeLink

- The GrapeLink system uses full dilute water volumes, whereas the Movento 100SC label uses a concentrate water volume of 500 litres per hectare
- For pre-flowering applications up to growth stage EL-19, we recommend a Movento 100SC rate of 125 mL/100 L water be used. The 125 mL rate will come up in GrapeLink when using these growth stages
- For applications from growth stage EL 25 and 26 we recommend using a rate of 75 mL/100 L in GrapeLink. The 75 mL rate will come up in GrapeLink when using these growth stages
- See table below for a quick guide on how much Movento 100SC to add per spray tank fill at variable water and row spacings
- Don't use Movento 100SC after growth stage EL26



QUICK GUIDE: USING MOVENTO 100SC

USAGE	Grapes
PEST	Mealybug
RATE	150 ml/100 litres of water (minimum 750 ml/ha)
APPLICATIONS	Make a maximum of two applications when new season's shoots are 20-50cm long. Alternatively do this just prior to flowering or immediately after flowering. Do not apply later than 10 days after flowering. Apply in 500 litres of water/ha. Do not apply in a water rate that will result in run-off.

VOLUME IN LITRES OF MOVENTO 100SC PER 2000L SPRAY TANK

Row Spacing (m)	Water Rate per ha				
	500 L	450 L	400 L	350 L	300 L
2.9-3.0	3.0	3.3	3.8	4.3	5.0
2.8	3.1	3.4	3.9	4.4	5.1
2.7	3.2	3.5	4.0	4.6	5.3
2.6	3.3	3.7	4.2	4.8	5.5
2.5	3.5	3.8	4.4	5.0	5.7
2.4	3.6	4.0	4.5	5.1	6.0
2.3	3.8	4.2	4.7	5.4	6.3
2.2	4.0	4.4	5.0	5.7	6.5
2.0	4.4	4.8	5.5	6.3	7.3
ha/2000L Tank	4.0	4.4	5.0	5.7	6.6

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Frequently Asked Questions

1. What stages of mealybug will Movento 100SC control?

- Movento 100SC is lethal only to juvenile (crawlers) stages of mealybug
- It does however affect the fecundity of the adult female mealybug. This means that once treated, adult females are less inclined to reproduce, and if they do, the viability of the eggs produced is compromised

2. Does Movento 100SC have any contact action?

- No. Movento 100SC controls the juvenile life stages by ingestion. The mealybug must feed briefly before they are controlled

3. Is Movento 100SC systemic?

- Yes, Movento 100SC is unique in that it has 2-way systemicity. This means that it travels both upwards in the xylem and throughout the entire plant via the phloem. This allows it to control mealybug from the inside out and doesn't rely on contact action. In this way, hidden mealybug can be controlled
- Mealybug feed into the phloem so this systemicity is very effective

4. As a systemic product, how does Movento 100SC enter the plant?

- When applied to leaves, the active ingredient in Movento 100SC, spirotetramat is converted to spirotetramat-enol as it penetrates into the leaf
- The spirotetramat-enol is the insecticidally active component that is 2-way systemic inside plants
- Movento 100SC enters the leaves directly by penetrating through the cuticle and stomata on leaves
- Movento 100SC can enter the plant for up to 3 days after the application, but the majority of the uptake occurs in the first 24 hours

5. What are the right conditions?

- Weather conditions that favour active plant growth are ideal for Movento 100SC applications. In these conditions uptake and translocation of Movento 100SC will be optimised
- We ideally recommend application during a period of 3 days of warm, settled weather, where the daytime temperature gets to above 15°C
- Prolonged cold weather will not favour uptake and translocation, and hot windy conditions above 27°C when the stomata are closed can reduce uptake

6. What are the best times to use Movento 100SC?

- We recommend to use Movento 100SC when you have as much leaf as possible for the greatest uptake. This also means the weather will be warmer, and more mealybug will be present
- Best timings:
 - 1 Application – Use either pre-flower (EL 16-19) or from 80% capfall to EL 26 (10 days post capfall)
 - 2 Applications – Make first application pre flower, and follow with the second from 80% capfall to EL 26

7. How many applications should be applied?

- Only 2 applications per season are allowed. The decision to use 1 or 2 Movento 100SC applications is dependent on mealybug pressure from the previous season
- Movento 100SC should be used as part of a seasonal mealybug control programme. Options that can be used include Confidor, buprofezin and prothiofos

8. What water rates should be used?

- Applications should be targeted at the leaf to achieve good coverage without runoff
- Ensure coverage is optimised through good sprayer set-up and calibration. Do not use below 300L/ha

9. What other products can be mixed with Movento 100SC?

- Movento 100 SC needs to enter the plant to be effective. With this in mind, limit mix partners to no more than 2 or 3 other products. Ideally, if possible, apply Movento 100SC alone
- The following products can be safely tank-mixed with Movento 100SC on grapes:
 - Luna Sensation + Teldor
 - Kumulus + Dithane
 - Quintec
 - Talendo
 - Fluazinam
- We also recommend not mixing with Foliar Fertiliser products

10. What is the PHI?

- We have set a PHI of 90 days for Nil Detectable Residue programmes
- For early harvest blocks (low alcohol, sparkling), we recommend applying Movento 100SC pre-flower

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Insist on Movento 100SC from Bayer.

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