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Office of Pesticide Programs, Environmental Protection Agency
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Docket Number: EPA-HQ-OPP-2019-0033
Spirotetramat, Case No. 7452, for Hawai'i and The Pacific Islands

Spirotetramat is not used in the Hawaii seed industry, but used in fruit/vegetable crops such as; macademica, papaya and coffee. Farmers like this product as it works better than contact. There are no substitutes for this product. This systemic insecticide is very important for growers to effectively control aphids and whitefly on fruiting vegetables, crucifers and leafy vegetables. A spray rotation with other modes of action insecticide classes help mitigate pesticide resistance. Spirotetramat (Movento) has systemicity to distribute the active ingredient upwards and downwards in the plant to find and eliminate even hidden pests wherever they live and feed. Systemic activity provides excellent pest control in dense macadamia canopies, with lower spray volumes, good residual activity and with minimal risk to natural predators. It is active against immature insects when they feed on treated plants, and also reduces the reproductive capacity of adult females and survival of offspring. Good control of Macadamia Felted Coccid has been observed in macadamia orchards that have used the product. Over-all it has been more effective and a less costly alternative to oil sprays. Spirotetramat controls the Macadamia Felted Coccid very effectively and efficiently on large macadamia trees where airblast applications are not practical. All other types of applications are deemed as not being cost effective because of required repetitive treatments due to lower efficacy. We find that Spirotetramat and the presence of natural enemies are the best tools we have to manage this pest. Papayas can really use it in rotation with malathion, Provado, Applaud, etc. Systemic activity is very good for aphids and other sucking insects on eggplant, dasheen, bok-choy, gailon, broccoli, amaranth, peppers, chard, and tomato.

Comments compiled and submitted by:



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