

Review Form 1.7

| | |
|--------------------------|---|
| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_103788 |
| Title of the Manuscript: | MANAGEMENT OF SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS) by HMOs and insecticides in apple orchards of kashmir |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

Review Form 1.7

PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|--|---|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>Yes</p> <p>Yes; Given the universality of knowledge, it is appropriate not to include the place of the research in the title, for this the materials and methods are available.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>It is certainly a plague that has resurfaced over time, hence many of the citations are also from earlier times, it would be advisable to try to find recent citations.</p> <p>Current work on a pest of yesteryear that is once again becoming a threat to the apple crop, certainly the winter oil has been used for its control during dormancy, which was later found to have a collateral use as a sprout stimulator (colloquially known as "cold compensator") in concentrations of 2.5, 3.0 and up to 4.0%, this derivative of petroleum oil is also known as suffocating oil in the use of pest control allowed in organic agriculture with such denomination, when used in summer the concentration is around 0.6% for lepidoptera and sucking insects.</p> <p>In view of the results, the new oil controls the scale of San José (79.5%) in a similar way to the winter oil of petroleum (77.6%), therefore it represents a good alternative; similarly, during the summer the insecticide Chloropyriphose had a weighted control of around 72% versus 68% for Dimethoate.</p> <p>The discussion beyond describing the results (and if the new oil is competitive with respect to the petroleum oil control) is whether the control of around 80% with the use of winter oils (dormant) is considered sufficient to reduce damage both to the tree as to the fruit; in the same way the use of insecticide during the summer had a control rate of around 70%, are the control rates sufficient in both cases?</p> <p>Discuss why oil concentrations higher than 2.5% were not explored; 3.0, 3.5 and up to 4.0%, was phytotoxicity expected? In this way, it would go beyond comparing the dormant oil alternative and focus on pest control. It would not be out of place in subsequent studies to evaluate both oils during the summer at concentrations of 0.3 to 0.7% as an alternative to the use of insecticides, very important in both cases to evaluate phytotoxicity during sprouting and fruit development.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>Yes</p> | |
| <p>Optional/General comments</p> | | |

PART 2:

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|---|---|
| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

Review Form 1.7

Reviewer Details:

| | |
|----------------------------------|--|
| Name: | Juan Manuel Soto Parra |
| Department, University & Country | Universidad Autónoma de Chihuahua, México |