**Recommendation for P O P approved in ZREAC for zone III a Rabi 2014 - 2015**

**Module for integrated management of destructive Cumin disease**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Treatment</th>
<th>Treatment details</th>
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<tbody>
<tr>
<td>1</td>
<td>Selection of variety</td>
<td>Resistant variety against blight and wilt disease should be grown according to agro climatic zones.</td>
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<tr>
<td>2</td>
<td>Selection of seeds</td>
<td>Use certified seeds. If certified seeds are not available then use own seed and treat them</td>
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<tr>
<td>3</td>
<td>Use of weedicide</td>
<td>Spray of Oxadiargil 23.5% (Raft) @ 50g a.i/ha or 833ml/ha on moist soil surface (pre-emergence) after sowing to reduce the weeds which served as alternative and collateral hosts of several pathogens.</td>
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</table>
| 4     | Fellow of practices to minimize the soil borne inoculums of different pathogens | a) Disease crop debris is burnt in the field.  
   b) Summer deep ploughing to bury the pathogen of fungi.  
   c) Adopt 2-3 years crop rotation with resistant/non-host crop.  
   d) Adopt optimum seed rate depth of sowing, row spacing, plant to plant distance fungicides dosage and irrigation time and numbers. |
| 5     | Protective step to prevent the infection. | a) First spray schedule start at 35 DAS with Score (Difenoconazole)0.25E.C @ 0.05%.  
   b) If cloudy weather appears in the environment preventive spray schedule for aphid infestation with Dimethoate0.1%.  
   c) Second spray starts after 45 DAS with Score(Difenoconazole) 0.25EC a@ 0.05%.  
   d) At the same time if Aphid infestation in present spray Dimethoate 0.1%  
   e) Third spray starts after 55 DAS with Propiconazole 0.1% for control of blight and powdery mildew infection.  
   f) If the environmental conditions are favorable for disease, then the third spray will be repeated.  
   Harvest the crop at proper maturity and thresh it carefully.  
   g) Proper drying of seeds 8-9% seed moisture and then store it. |

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