**PEST MANAGEMENT DECISION GUIDE: GREEN AND YELLOW LIST**

**Smut on Ragi**  
*Melanopsichium eleusinis* Karugal nooi / கருகல் நோய்

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| - Remove weed hosts from bunds and channels.  
- Plant resistant varieties Markazhi pattam (Dec to Jan), Co-9, Co 13, Co 14, (Sep – oct), Paiyur 1, Co 13 or Co 14.  
- Avoid using excess nitrogenous fertilizers (split in 3 doses: 50% in basal application, 25% in tillering stage/phase and 25% in panicle initiation stage). Recommended dosage of nitrogenous fertilizer usage is 60 kg/ha. | - Disease symptoms appear during ear emergence when the ear appears dark grey due to masses of teliospores covered by a thin membrane of tissue. The membrane splits at maturity by releasing spores into the air.  
- Affected grain may emerge later than neighbouring plants.  
- Infected plants can be identified by their dark colour and swollen appearance.  
- Green sorus turn pink/green and finally turn black. Stem galling has also been seen. | - Dip the seedling with *Pseudomonas fluorescense* at 2.5 kg/3 cents, make treatment sub plot and dip seedlings for 15 minutes. | |  
| **India**  
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**WHO Class U (Unlikely to present acute hazard). Pre-harvest Interval 14 days.** | - When using a pesticide or botanical, always wear protective clothing and follow the instructions on the product label, such as dosage, timing of application, pre-harvest interval, max number of sprays, restricted re-entry interval. Do not empty into drains and water sources.  
- Two sprays of Carbendazim 50% SC. 2% at the 45th day and 65th day. | | |  

**LOSE LESS, FEED MORE**

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