





Technical Bulletin for: Marula Fruit Fly

Ceratitis cosyra (Walker) • Diptera, *Tephritidae* • CERCOS



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| DISTRIBUTION | Widely distributed in Sub-Saharan Africa |
| HOSTS | Mango, marula plum, avocado, guava, peach |
| DESCRIPTION | |
| Adult | . Body and wing color is yellowish and 4-6 mm in length. Body is yellow with black spots |
| Larvae | Larval identification is difficult. |
| Eggs | No published description |
| LIFE HISTORY | The egg stage last two to three days, larva - five days or more, pupa - nine to twelve days and adults up to 41 days. Females first oviposit at about age five days, and oviposition continues up to age two weeks, with up to eight weeks in laboratory colonies. |

MONITORING INFORMATION

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| LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE | EGO in a Plastic Bulb. Lure Longevity: 6 weeks |  |
| TRAP TO USE | Yellow Card or McPhail Trap |  |
| MONITORING STRATEGY | Hang trap near the highest point on the plant. For monitoring use a minimum of 1 trap per 2 acres. For mass trapping, the number of traps required will depend on pest pressure and local control strategy. Traps should be checked at least weekly. Check with Cooperative Extension or Master Gardener for local information and recommendations. | |
| CULTURAL & PHYSICAL CONTROL | Orchard sanitation is critical, poorly management practices can result in high populations. Remove fruits with dimples and oozing clear sap. Kill maggots by burning, or burying. When burying fruits, ensure that the fruits are buried at least 50 cm (about two feet) deep to prevent emerging adult flies from reaching the soil surface. | |

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