# LOGIC MODEL for PROGRAM DEVELOPMENT and ASSESSMENT

Field Monitoring of the Cucurbit Yellow Stunting Disorder Virus (CYSDV) and Trapping of Virus Vectors, *Bemisia tabaci* (Genn.) in Maricopa County

<table>
<thead>
<tr>
<th>SITUATION</th>
<th>INPUTS</th>
<th>OUTPUTS</th>
<th>OUTCOMES – IMPACT</th>
</tr>
</thead>
</table>
| CYSDV (Cucurbit Yellow Stunting Disorder Virus) has affected Yuma County cucurbit crops and is now moving into Maricopa County. Positively identifying the virus in the county and monitoring white fly pressure to control the movement of the virus is critical in suppression of the virus. | Area Assistant Agent, Field Crops, Maricopa County  
Research Technician, Maricopa County  
Regional Collaborators  
University Professor, Virology  
PCA's (Pest Control Advisors in Maricopa County)  
Cucurbit growers in Maricopa County | Trapping of vectors (*Bemisia tabaci*) in Maricopa County  
Monitor cucurbit fields for CYSDV symptoms  
Monitor outlying areas for CYSDV alternate hosts | Agriculture Industry in Maricopa County (PCA’s, growers, Private industry, seed suppliers)  
Homeowners in Maricopa County |

<table>
<thead>
<tr>
<th>Activities</th>
<th>Participation</th>
<th>Short</th>
<th>Medium</th>
<th>Long Term</th>
</tr>
</thead>
</table>
| Trapping of vectors (*Bemisia tabaci*) in Maricopa County  
Monitor cucurbit fields for CYSDV symptoms  
Monitor outlying areas for CYSDV alternate hosts | Agriculture Industry in Maricopa County (PCA’s, growers, Private industry, seed suppliers)  
Homeowners in Maricopa County | Identification of fields infested with the CYSDV virus  
Identification of alternate CYSDV hosts  
Mapping of vector populations in cucurbit fields | Knowledge of the movement of the virus  
Mapping of white fly movement associated with the movement of the CYSDV virus  
IPM strategies for suppressing CYSDV in cucurbits | Pest Control Advisors and growers will continue to monitor fields for the virus  
Homeowners will follow guidelines for growing cucurbits and controlling white flies |