## Arizona Pest Management Center – COORDINATION Logic Model for Extension IPM

\*Coordination is a core resource that supports effective program management of IPM across EIP emphasis areas

Situation	Inputs	Outputs		Outcomes- Impacts		
		Activities	Participation	Short Term	Medium Term	Long Term
				Knowledge	Behavior	Long term
1) Few faculty	1) Fully leveraged	1) We engage stakeholders	1) End-users	Through our increased	Through our coordinated	Our increased capacity to
engaged in IPM	applied research to	to identify needs for IPM	including	capacity for IPM	planning and outreach efforts,	develop and deliver solutions
in a large state, spread across	support IPM outreach that addresses unique	research and education (e.g., IPM-CC, Crop Pest Losses	growers, PCAs,	engagement and	clientele across emphasis areas	to priority stakeholder IPM
academic depart-	needs of AZ pest	workshops, Pesticide Use	applicators, Ag	outreach, we increase	and throughout AZ will adopt	needs results in reduced
ments, counties	managers	Database Advisory Comm.)	industry repre-	awareness and	IPM practices that reduce	economic risks to growers
and campuses	2) Stakeholder input	2) We coordinate Extension	sentatives, school	technical knowledge	economic, human health and	and others, reduced
2) Limited and	on program priorities	IPM planning, communi-	administrators and	to help end-users	environmental risk – such as	environmental and human
diminishing state	thru IPM Coordinating	cation, transparency,	personnel, urban	implement IPM in	adoption of reduced risk	health risks from pests and
Extension	Committee (IPM-CC)	resource development and	pest management	diverse environments	pesticides and other IPM	pesticides, which we can
resources	and other engagements	use, reporting (through	professionals,	of Arizona; through	technologies;	measure with existing and
3) Highly	3) Time and expertise	IPM-CC and Leadership Teams); centralization of	landscapers, etc.	our investments in	Through their increased	new resources dedicated to
productive year-	of UA faculty; PDs	these functions leaves teams	2) multi-	IPM assessment we	involvement in IPM	IPM assessment
round agricultural	time invested in APMC coordination	to focus on IPM program	disciplinary	increase our own	assessment efforts, and in-	Possible Measures:
production and		development and	faculty statewide	ability to measure	service training we provide,	Crop Pest Losses Surveys
pest issues in	4) Leveraged investments in 5	implementation	w/ expertise in	these changes in	our faculty improve skills and	(cotton, lettuce, melons,
agronomic and	assistants in extension,	3) We develop data and	IPM, entomology,	knowledge in end-	habits for documenting	alfalfa) annually measure
specialty crops	IPM Program Mgr.	resources to measure IPM	weed science,	users	outcomes across all their	pest impacts, pesticide use by
4) Many students	and other shared	adoption and outcomes	plant pathology,		Extension program efforts	target pest, yield losses, costs
in few school	resources to support	through the IPM Assess-	crop production,	Possible Measures:		of control and economic
districts focused	IPM outreach,	ment Leadership Team	turf, horticulture,	Knowledge and	Possible Measures:	returns to growers; APMC
mainly in urban areas (Phoenix &	diagnostics and impact assessment	4) We work with and through Leadership Teams	public health,	awareness of IPM are	Changes in clientele behavior	Pesticide Use Database
Tucson) and a	5) IPM Assessment	to develop and expand IPM	economics, IPM	most often measured	are measured via audience	measures pesticide use, rates,
need for IPM	Leadership Team that	resources through grants	assessment and	across emphasis areas	response and other survey	locations, target pests,
training to reduce	develops data, tools &	and other resources	other key areas	using interactive	techniques implemented at	pounds active ingredient
pest & pesticide	approaches to	5) We interface with the	3) collaborators in	audience response	meetings and online (e.g.,	applied, and data are
risks indoors and	document IPM	Western IPM Center,	AZ, regionally &	surveys implemented	school district IPM survey	available from 1991 to
outdoors	impacts	WERA-1017 (IPM),	nationally,	at meetings, and in	implemented annually); Crop	present. These data are now
5) Critical need	6) Existing PSEP	WERA-060 (resistance	including grower	written and online	Pest Losses surveys and	augmented by ability to
to sustain and expand our	program and collabor-	management), Western IR-4 and other regional and	groups, scientists,	questionnaires	APMC Pesticide Use Database	quantify eco-toxicological
capacity to	ations with state lead	national interest to support	Extension	questionnumes	are used to measure changes in	pesticide risks and their reduction through risk
support IPM	agency to reach pesticide applicators	and advance the goals of the	colleagues,		local and statewide pesticide	mitigation practices in
implementation	7) Effective ongoing	IPM Roadmap	regulatory		use that result from adoption	collaboration with Oregon
by diverse	collaborations with		agencies, etc.		of IPM (see Long Term);	State University using
stakeholders and	regional and national				Improved program assessment	Pesticide Risk Mitigation
to measure outcomes	IPM colleagues and				by Extension faculty will be	Engine (ipmPRiME).
outcomes	Western IPM Center				evident on project reports	- `.
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