Merit Analysis for top 45 Global Minor Use Priorities Summer 2020

Use 1 form per crop/pest priority

(To be conducted by a committee of global proponents for the priority)

Tropical							
Mango / Fruit Fly - *Bactrocera* sp. and *Ceratitis* sp. - 35							
Criteria*	**Prachathipat Pongpinyo นาย ประชาธิปัตย์ พงษ์ภิญโญ, Thailand, prachathipat.p@doa.in.th and Kenneth Samoil, USA,** samoil@njaes.rutgers.edu						
Is the crop-pest combination a situation with no available products? ***2 points*** **NO**							
	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5	Solution 6	Solution 7
Are there potential solutions?	Grandevo	Venerate XC	MBI-306	Spinosad	Flupyradifurone	Malathion	Chlorantraniliprole
Company name	Marrone BioInnovations	Marrone BioInnovations	Marrone BioInnovations	Corteva	Bayer	FMC	FMC
Company contact name and e-mail	Maryna Serdani mserdani@ marronebio.com	Maryna Serdani mserdani@ marronebio.com	Maryna Serdani mserdani@ marronebio.com	Amalia Ponzio amalia.ponzio@ corteva.com	Jessica Fernandez Jessica.fernandez@ bayer.com	Sheldon Sumpter Sheldon.Sumpter@ fmc.com	Sheldon Sumpter Sheldon.Sumpter@ fmc.com
Level of registrant support globally – list of countries registrant is willing to supply GLP test substance, standards and pursue a label (A)	All	All	All	Argentina	Not specified	Not specified	India, China, Indonesia, Malaysia, Pakistan, Taiwan, Thailand, Vietnam
List of countries having field and analytical ability and willing to conduct trials (B)				Argentina			
Insert 1 point for each match between countries that registrant supports, and countries willing (A + B)				1			
Is efficacy already established against the target pest or can it be bridged via rationale from other labeled uses?	No	No	No	1 YES		1 YES	1 YES
Are there any residue data already available for the crop/pest combination and if so, from where?	1 Residue data not needed; this product should be exempt from tolerance requirements	1 Residue data not needed; this product should be exempt from tolerance requirements	1 Residue data not needed; this product should be exempt from tolerance requirements	1 UE UNITED STATES		1 UNITED STATES Possibly INDIA	
Are project champions identified?(Insert names)				1 Carla Serafino Daniel Mazzarella			
Will a uniform GAP (rate, application pattern, PHI, formulation, premix be able to be established across all countries? *Yes = 1; No = 0*	1 Probably	1 Probably	1 Probably	1	1 Yes	1 Probably	1 Probably

Does the product replace old technology with reduced risk technology? (*1 point per old product replaced with reduced risk defined as a more favorable environmental or human health risk assessment)*	1 Yes	1 Yes	1 Yes	1 Yes, because for the control of this pest it is usually used for a greater toxicological risk such as chlorpyrifos	1 Yes	No	1 Yes
Does the potential solution fit into IPM systems, i.e. low risk to beneficials	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango.	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango.	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango.	1 The use of Spinosad is also recommended in Integrated Management Programs of Pests since it does not affect beneficial fauna (parasitoid insects or arthropods predators)	1 Yes; flupyradifurone has a high degree of bee safety.	No	1 Yes
Does the project complement current technologies to address pesticide resistance and/or control resistant pest/disease/weed or provide an alternative mode of action?	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango.	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango. Venerate is based on the same organism as MBI-306.	1 This is a bio-pesticide that will complement conventional pesticides that are already registered on mango. MBI-306 is based on the same organism as Venerate.	1 The products traditionally used to control this pest have different modes of action. In any case, the use of this product must be accompanied by different alternatives that do not allow the development of pest resistance.	1 Alternative mode of action	No	1 Alternative mode of action
Are there any crop grouping MRL opportunities? *(1 point per crop group)*	0	0	0	0	0	0	0
Comments (Please use this space to make a memo of any other information that might be points of consideration such as JMPR cycle, CODEX, EPA, EU registration/MRL status, ability of a product to control multiple pest priorities, can be used across multiple crops, one formulation or premix combination used in one part of the world, regulatory needs, etc.	Registration pending as tolerance exempt product for mango in Kenya. Registration pending as tolerance exempt product for mango in South Africa. Registered for mango in The Philippines (not for fruit fly). Registration for mango is pending in Vietnam (not for fruit fly).	Registration pending as tolerance exempt product in Kenya.				Tolerances have been set above the default level in Brunei, Costa Rica, Dominican Republic, Honduras, Hong Kong, India, Israel, Mexico, Peru, South Africa, and USA	

TOTAL POINTS	5	5	5	8	4	3	5
GRAND TOTAL					**35**		

*if not specified otherwise in the ‘criteria’ box, assign 1 point per solution in gray boxes only.