

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'						
Banana, <i>Cosmopolites sordidus</i> 31 (29+2)						
Carla Serafino, Argentina, cserafin@senasa.gov.ar						
Criteria*	Points					
1. Is the crop-pest combination a situation with no available products? <i>2 points</i>						2
	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5	
2. Are there potential solutions?	Indoxacarb	chlorantraniliprole	Cyantraniliprole			
3. Company name	FMC	FMC	FMC			
4. Company contact name and e-mail	JORGE DEMINIANI Jorge.Deminiani@fmc.com	JORGE DEMINIANI Jorge.Deminiani@fmc.com	JORGE DEMINIANI Jorge.Deminiani@fmc.com			
5. Level of registrant support globally – list of countries registrant is willing to supply GLP test substance, standards and pursue a label (A)	Argentina Brazil	Argentina Brasil	Argentina Brasil			
6. List of countries having field and analytical ability and willing to conduct trials (B)	Argentina Brazil	Argentina Brazil	Argentina Brazil			
7. <i>Insert 1 point for each match between countries that registrant supports, and countries willing (A + B)</i>	2	2	2			
8. Is efficacy already established against the target pest or can it be bridged via rationale from other labeled uses? <i>Insert 1point</i>	1	1	1			
9. Are there any residue data already available for the crop/pest combination and if so, from where?	YES UE. 1	YES USA 1	NO			
10. Are project champions identified?(Insert names) <i>Insert 1point</i>	1 Daniel Mazzarella María Carla Serafino	1 Daniel Mazzarella María Carla Serafino	1 Daniel Mazzarella María Carla Serafino			
11. Will a uniform GAP (rate, application pattern, PHI, formulation, premix be able to be established across all countries? <i>Yes = Insert 1point ; No = 0</i>	1	1	1			
12. Does the product replace old technology	1 The most used product in	1 The most used product in	1 The most used product in			

with reduced risk technology? (1 point per old product replaced with reduced risk defined as a more favorable environmental or human health risk assessment)	the past for the control of this pest was Carbofuran, which has a much higher toxicological risk than the proposed solution	the past for the control of this pest was Carbofuran, which has a much higher toxicological risk than the proposed solution	the past for the control of this pest was Carbofuran, which has a much higher toxicological risk than the proposed solution		
13. Does the potential solution fit into IPM systems, i.e. low risk to beneficials <i>Insert 1point</i>	1 The main toxicological parameters of indoxacarb give it a low risk insecticide profile for mammals, the environment and auxiliary fauna, The need for the indoxacarb molecule to have ga that being activated by an enzymatic reaction (bioactivation) makes it quite specific for the target pest	1 This product can be used as part of an IPM program, complementing practices such as biological and genetic control, sexual confusion techniques, etc. It has good ecotoxicological and also has a low impact on beneficial insects. It is an ideal product to be combined with other insecticides since it weakens the pest and has action in different stages of the same	1 It is a very suitable product to be used in IPM strategies because Since it impacts multiple stages of pests and conserves natural enemies, treating crops at the beginning of the infestation prevents the development of pest populations.		
14. Does the project complement current technologies to address pesticide resistance and/or control resistant pest/disease/weed or provide an alternative mode of action? <i>Insert 1point</i>	1 Indoxacarb is the only active ingredient in the oxadiazine family currently available. By this is still an innovative and different insecticide to other commercial insecticides. In any case, it can be used within an integrated plan of recommendations for use	1 It is the first insecticide of a new chemical family, called "Anthranilic Diamides", which makes it have a novel mode of action	1 This product is the second generation of Anthranilic Diamides, continuing the research obtained in the first instance by Chlorantraniliprole.		
15. Are there any crop grouping MRL opportunities? (1 point per crop group)	1 Banana is a representative crop within the group of tropical fruits with inedible skin	1 Banana is a representative crop within the group of tropical fruits with inedible skin	1 Banana is a representative crop within the group of tropical fruits with inedible skin		

<p>16. Comments</p> <p>(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.</p> <p>No specific points, but useful information</p>	<p>It is possible that next year indoxacarb will not be renewed in the EU, this reason seems important to take into account for future planning since banana is an export crop.</p> <p>Due to this, the company FMC proposes indoxacarb as a potential solution with a higher commercial risk compared to chloratraniliprole and cyantraniliprole</p> <p>The product has great efficacy for this pest and low toxicological and ecotoxicological risk in a combination where there are not many alternatives. In addition, Banana is one of the most consumed fruits in many regions, which is why it is a very useful tool.</p>	<p>This insecticide has great benefits such as its systemicity, its translaminar action, its action at different stages of the plague, its great residuality and its low toxicological risk</p>	<p>This product, in addition to being effective against the target plague, has great benefits such as:</p> <ul style="list-style-type: none"> -Quick cessation of feeding: Just the <p>The insect makes contact with the product, it stops feeding after a few minutes, avoiding damage to plant organs as well as any transmission of viruses or diseases. -</p> <ul style="list-style-type: none"> - Cross Spectrum: Control pests more important crops without affecting benefits. -Systemic movement that allows protect new growth. Impact on different stadiums of the plague. - Control of pests resistant to other modes of action. <p>Translaminar movement that allows the control of those pests that are located on the underside of the leaf.</p>		
TOTAL POINTS	10	10	9		
GRAND TOTAL					29

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