# EuropaBio Monitoring WG Farmer Questionnaire

Product: insect protected YieldGard® maize

### Farmer personal and confidential data

Name of farmer:				 
Address of farmer:				
City:				
Oity.				 
Postal code:				 
Name of interviewer:				
D. ( (	/ N 4 N 4 / N 4 N 4 N 4 N 4 N 4 N 4 N 4	1	1	
Date of interview (DD	/ IVIIVI / YYYY).	/	/	

The personal data of the farmer will be handled in accordance with applicable data protection legislation. The personal data of the farmers may be used for the purpose of interviews necessary for the survey if the farmers have authorised this use as per the data protection legislation.

The questionnaires will be encoded to protect farmers' identity in the survey and confidentiality agreements will be put in place between the different parties (i.e. authorisation holders, licensees, interviewers and analyst) to further enforce this. The identity of a farmer will only be revealed to the authorisation holders if an adverse effect linked to their trait has been identified and needs to be investigated.

Furthermore, the agreements between the different parties will also ensure that any information collected in the questionnaires will not be improperly shared or used.

Coding exp	lanatio	ns:					
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Year		Event Code	Partner <sup>1</sup> Code	Country Code	Interviewer <sup>2</sup> Code	Farmer Code	
Codes:							
Event:	01 02	MON 810 					
Partner <sup>7</sup> :		Markin Agro.Ges 					
Country:	ES PT RO 	Spain Portugal Romania					
Interviewer	<sup>8</sup> : 01 A 02 B 03						

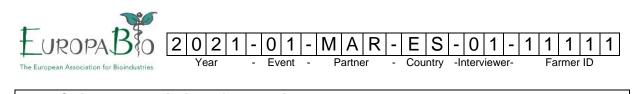
Partner is the organization that implements the survey
 Interviewer is the employee from the Partner that is contacting the farmers



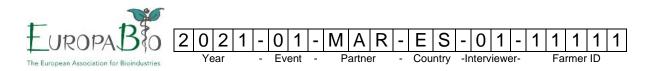


1 Maize grown area
1.1 Location:
Country:
County:
<ul><li>1.2 Surrounding environment:</li><li>Which of the following would best describe the land usage in the surrounding of the</li></ul>
areas planted with YieldGard® maize
O Farmland
O Forest or wild habitat O Residential or industrial
1.3 Size and number of fields of the maize cultivated area:
Total area of all maize cultivated on farm (ha)
Total area of YieldGard® maize cultivated on farm (ha)
Number of fields cultivated with YieldGard® maize
1.4 Maize varieties grown:
List up to five YieldGard® maize varieties planted this season:
1
2
3
4
5
List up to five conventional varieties planted this season:
1
2
3
4
5
Are you growing any other GM maize varieties this season?9
O Yes O No

<sup>&</sup>lt;sup>9</sup> Note: This question does not need to be asked in the 2013 season.



1.5	Soil characteristics of the m	aize grown	area:						
Mark	k the predominant soil type of th	ne maize gro	own area (soil textu	ıre):					
	O very fine (clay) O fine (clay, sandy clay, silty clay) O medium (sandy clay loam, clay loam, sandy silt) O medium-fine (silty clay loam, silt loam)loam) O coarse (sand, loamy sand, sandy loam) O no predominant soil type (too variable across the maize grown area on the farm) O I do not know								
Cha	racterize soil quality of the maiz	ze grown are	ea (fertility):						
Orga	O below average - poor O average - normal O above average -good anic carbon content ( %)								
1.6	Local pest and disease pres	sure in ma	ize:						
Cha	racterize this season's general	pest pressu	re on the maize cu	Itivated area:					
	Pests (insects, mites, nematodes)		O As usual O As usual O As usual	O High O High O High					
	ypical agronomic practices to		e on your farm						
2.1	Irrigation of maize grown are	ea:							
	O Yes O No								
If ye	s, which type of irrigation techni	ique do you	apply:						
	O Gravity O Sprinkler	O Pivot	t O Other						
2.2	Major rotation of the maize o	grown area.	<u> </u>						
	previous year: two years ago:		_						
2.3	Soil tillage practices:								
	O No O Yes (mark the	e time of tilla	age: O Winter	O Spring)					
2.4	Maize planting technique:								
	O Conventional planting								
	O Mulch O Direct sowing								



2.5	Mark all typica	al weed and pest control practices in maize at your farm:
	O Herbicide(s)	
	O Insecticide(s	s) ed, do you treat against maize borers? O Yes O No
2.6	Application of	f fertilizer to maize grown area:
	O Yes	O No
2.7	Typical time o	of maize sowing range (DD:MM – DD:MM):
	/	
2.8	Typical time c	of maize harvest range (DD:MM – DD:MM):
	Grain maize: Forage maize:	
		YieldGard® maize
3.1	Agricultural p maize)	ractices in YieldGard® maize (compared to conventional
conv		r agricultural practices in YieldGard® maize compared to If any of the answers is different from «As usual», please
	did you perform ventional maize?	n your crop rotate for YieldGard® maize compared with
	O As usual	O Changed, because ( describe the rotation):
D: 1		
Did y	you plant YieldG	Card® maize earlier or later than conventional maize?
	O As usual	O Earlier O Later, because:
Did y maiz		r soil tillage or maize planting techniques to plant YieldGard®
	O As usual	O Changed, because:



# 

Full commercial name of insecticides you applied in YieldGard® maize field, including seed treatments:
1
2
3.
4
Full commercial name of herbicides you applied in YieldGard® maize field:
1
2.
3.
4.
Full commercial name of fungicides you applied in YieldGard® maize field:
1
2
3
4
In 2021, how were the weed and pest control practices in YieldGard® maize when compared to conventional maize?
Insecticides: O Similar O Different, because:
Herbicides: O Similar O Different, because:
Fungicides: O Similar O Different, because:
Tungiolaes. O diffilai O bilicient, because.
In 2021, did you change maize borer control practices in YieldGard® maize when compared to conventional maize?
O Similar O Changed, because:
In 2021, how were the fertilizer application practices in YieldGard® maize when compared to conventional maize?
O Similar O Changed, because:



	021, how were the irrigat rentional maize?	ion practices in	YieldGard <sup>®</sup> maize wh	en compared to
	O Similar O Cha	nged, because:_		
Did y	ou harvest YieldGard®	maize earlier or	later than conventiona	al maize?
	O Similar O Earlier	O Later	Because:	
3.2	Characteristics of Yie conventional maize)	eldGard® maize	in the field (compar	red to
	Germination vigour	O As usual	O More vigourous	O Less vigourous
	Time to emergence	O As usual	O Accelerated	O Delayed
	Time to male flowering	O As usual	O Accelerated	O Delayed
	Plant growth and development	O As usual	O Accelerated	O Delayed
	Incidence of stalk/root lodging	O As usual	O More often	O Less often
	Time to maturity	O As usual	O Accelerated	O Delayed
	Yield	O As usual	O Higher yield	O Lower yield
	Occurrence of voluntee from previous year planting (if relevant)	ers O As usual	O More often	O Less often
If a	ny of the answers a	bove is differe	ent from «As usual	», please specify:
	se detail any additiona e during its growth:		vations regarding the	e YieldGard® maize



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2 2	Characterise the	ne VieldGard® ı	maiza suscar	tibility to dispa	se (compared to
<u> </u>	conventional n		maize suscep	Thomas to disea	se (compared to
	rall assessment o ventional maize (f			ldGard <sup>®</sup> maize c	ompared to
	O As usual	O More susc	eptible <sup>10</sup> O	Less susceptible	9 <sup>4</sup>
	e above answer is ase susceptibility		· •		difference in
	<ol> <li>Fusarium s</li> <li>Ustilago ma</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> </ol>	pp aydis = U. zeae		O More O More O Less Ore O Less Ore O Less	
	6. Other:			O More	O Less
۱.۱.۱	tional comments				
Addı	tional comments	·			
On tl	•	conventional ma	aize)		e fields of the GM varieties
	(compared to d	conventional ma	aize)		
On tl on:	(compared to d	onventional manner	<i>aize)</i> Gard <sup>®</sup> maize,		
On tl on:	(compared to compared to compa	onventional manner	<i>aize)</i> Gard <sup>®</sup> maize,	overall efficacy	of the GM varieties
On thon:	(compared to compared to compa	onventional manner ontrolled by Yield on borer (Ostrinia od O Good	<b>aize)</b> Gard <sup>®</sup> maize, nubilalis):	overall efficacy	of the GM varieties
On thon:	compared to compared to compared to compared to compared to compared to compare the two insects compared.  European corr  O Very go	onventional manner ontrolled by Yield on borer (Ostrinia od O Good	aize) Gard <sup>®</sup> maize, nubilalis): O Weak	overall efficacy	of the GM varieties
On thon:	compared to compared to compared to compared to compared to compared to compare the two insects compared.  European corr  O Very go	conventional manner on trolled by Yield on borer (Ostrinia od O Good samia spp):	aize) Gard <sup>®</sup> maize, nubilalis): O Weak O Weak	O Don't Knov	of the GM varieties
On thon:	compared to do the two insects contained.  European corr O Very go Direction of the two insects contained to do the two insect	conventional manner on trolled by Yield on borer (Ostrinia od O Good samia spp):	aize) Gard <sup>®</sup> maize, nubilalis): O Weak O Weak	O Don't Knov	of the GM varieties
On thon:	compared to do the two insects contained.  European corr O Very go Direction of the two insects contained to do the two insect	conventional manner on trolled by Yield on borer (Ostrinia od O Good samia spp):	aize) Gard <sup>®</sup> maize, nubilalis): O Weak O Weak	O Don't Knov	of the GM varieties
On thon:	he two insects contact the two insects contact insects contact in the two insects contact in the two insects contact insects in the two insects contact insects in the two insects contact insects in the two insects in the two insects contact	conventional manner on trolled by Yield on borer (Ostrinia od O Good samia spp):  od O Good  :	aize) Gard® maize, nubilalis): O Weak O Weak	O Don't Know	of the GM varieties
On thon:  1 2 Addi	he two insects contact the two insects contact insects contact in the two insects contact in the two insects contact insects in the two insects contact insects in the two insects contact insects in the two insects in the two insects contact	conventional manner on trolled by Yield on borer (Ostrinia od O Good samia spp):  od O Good  :	aize) Gard® maize, nubilalis): O Weak O Weak	O Don't Know	of the GM varieties
On thon:  Addi  3.5  Exce	compared to define two insects contact the two insects	conventional manner on trolled by Yield on the following of the convention of the following	aize) Gard® maize, nubilalis): O Weak O Weak maize susceptonventional nubilalis	O Don't Know O Don't Know O Don't Know	of the GM varieties  V  ER pests  st susceptibility of

 $<sup>^{10}\,\</sup>underline{\text{More susceptible}}$  than conventional maize or  $\underline{\text{Less susceptible}}$  than conventional maize



### EUROPABO 2 0 2 1 - 0 1 - M A R - E S - 0 1 - 1 1 1 1 1 The European Association for Bioindustries Year - Event - Partner - Country - Interviewer- Farmer ID

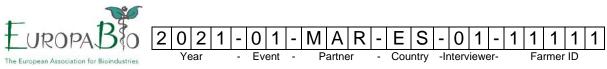
If the above answer is different from «As usual», pl		erence in
pest susceptibility in the list and the commentary se	ection below:	
1	O More	O Less
2	O More	O Less
3	O More	O Less
4	O More	O Less
5	O More	O Less
Additional comments:		
3.6 Characterise the weed pressure in YieldGa conventional maize)	ard® maize fields (c	ompared to
Overall assessment of the weed pressure in YieldConventional maize:	Sard <sup>®</sup> maize compare	ed to
O As usual O More weeds O Le	ss weeds	
List the three most abundant weeds in your YieldG	ard <sup>®</sup> maize field:	
1		
2		
3		
Were there any unusual observations regarding the YieldGard® maize?		
3.7 Occurrence of wildlife in YieldGard® maize conventional maize)	e fields (compared t	to
General impression of the occurrence of wildlife (in YieldGard® maize compared to conventional maize		mmals) in
Occurrence of insects (arthropods):		
O As usual O More O Less	O Do not know	
If the answer above is «More» or «Less», please s	pecify your observati	on:



## EUROPABIO 2 0 2 1 - 0 1 - M A R - E S - 0 1 - 1 1 1 1 1 The European Association for Bioindustries Year - Event - Partner - Country - Interviewer- Farmer ID

Oc	currence of birds	s.			
			O Less	O Do not know	
If th	ne answer above	e is «More» or «	Less», pleas	e specify your obser	vation:
Oc	currence of man	nmals:			
	O As usual	O More	O Less	O Do not know	
If th	ne answer above	e is «More» or «	Less», pleas	e specify your obser	vation:
3.8	Food use of	VioldGard® ma	izo (if provid	ous year experience	with this avant)
		_		nimal feed on your fa	
Diu	O Yes	O No	narvest ior a	illinarieed on your is	AIIII:
ıf "			improccion o	of the performance of	f the enimals fod
				of the performance of ventional maize.	i tile allillais leu
	O As usual	O Differen	t O Do	o not know	
lf	the answer	above is «E	Different», բ	olease specify yo	our observation:
3.9	Any addition	al remarks or c	bservations	[e.g. from fields p	lanted with
	•	hat were not se			





4 Implementation of Bt-maize specific measures	
4.1 Have you been informed on good agricultural practices for YieldGard® maize?	
O Yes O No	
Only if you answered "Yes", would you evaluate these technical sessions as:	
O Very useful O Useful O Not useful	
4.2 Seed	
Was the seed bag labelled with accompanying specific documentation indicating that the product is genetically modified maize YieldGard® maize?	
O Yes O No	
Did you comply with the label recommendations on seed bags?	
O Yes O No, because:	
4.3 Prevention of insect resistance	
Did you plant a refuge in accordance to the technical guidelines?	
O Yes O No, because the area of YieldGard® maize planted on the farm is < 5 ha O No, because	