## EuropaBio Monitoring WG Farmer Questionnaire

Product: insect protected YieldGard® maize

## Farmer personal and confidential data

Name of farmer:	 		
Address of farmer:			
City:			
Postal code:			
Name of interviewer:			
Date of interview (DD		/	

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.

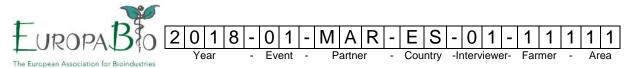
<sup>®</sup> Registered trademark of Monsanto Technology LLC.

Code: Year		Event [	Partner		Country $\Box\Box$	Interviewer
Coding expl	anatior	ns:				
2 0 1 Year	8	- 0 1 - Code	M A R  Partner <sup>1</sup> Code	- E S Country Code	- 0 1 - 1 Interviewer <sup>2</sup> Code	1 1 1 1 1 1 Farmer Code
Codes:						
Event:	01 02	MON 810 				
Partner <sup>1</sup> :	MAR	Monsanto Markin Agro.Ges 				
Country:	ES PT RO	Spain Portugal Romania				
Interviewer <sup>2</sup>	:01 A 02 B 03					
Farmer: unio	que ID	for each farmer				

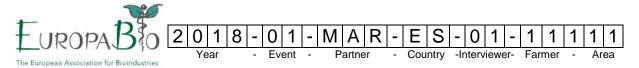
<sup>&</sup>lt;sup>1</sup> Partner is the organization that implements the survey <sup>2</sup> Interviewer is the employee from the Partner that is contacting the farmers

1 Maize grown area
1.1 Location:
Country:
County:
1.2 Surrounding environment:
Which of the following would best describe the land usage in the surrounding of the 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? <sup>3</sup>
O Yes O No

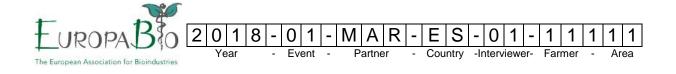
<sup>&</sup>lt;sup>3</sup> Note: This question does not need to be asked in the 2013 season.



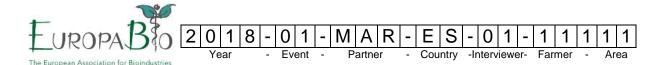
1.5	Soil characteristics of the maize grown area:				
Mark	the predominant soil type of the maize grown area (soil texture):				
	O very fine (clay)				
	O very fine (clay) O fine (clay, sandy clay, silty clay) O medium (sandy clay loam, clay loam, sandy silt) O medium-fine (silty clay loam, silt loam)loam) 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				
Char	racterize soil quality of the maize grown area (fertility):				
	O below average - poor O average - normal O above average -good				
Orga	anic carbon content ( %)				
1.6	Local pest and disease pressure in maize:				
Char	racterize this season's general pest pressure on the maize cultivated area:				
	Diseases (fungal, viral) O Low O As usual O High Pests (insects, mites, nematodes) O Low O As usual O High Weeds O Low O As usual O High				
2 Ty	pical agronomic practices to grow maize on your farm				
2.1	Irrigation of maize grown area:				
	O Yes O No				
If yes	s, which type of irrigation technique do you apply:				
	O Gravity O Sprinkler O Pivot O Other				
2.2	Major rotation of the maize grown area:				
	previous year: two years ago:				
2.3	Soil tillage practices:				
	O No O Yes (mark the time of tillage: O Winter O Spring)				
2.4	Maize planting technique:				
	O Conventional planting O Mulch O Direct sowing				



2.5	Mark all typical weed and pest control practices in maize at your farm:
	O Herbicide(s)
1	O Insecticide(s) If box checked, do you treat against maize borers? O Yes O No
	O Fungicide(s) O Mechanical weed control O Use of bio control treatments (e.g. Trichogramma) O Other, please specify:
2.6	Application of fertilizer to maize grown area:
	O Yes O No
2.7	Typical time of maize sowing range (DD:MM – DD:MM):
2.8	Typical time of maize harvest range (DD:MM – DD:MM):
	Grain maize:/
3 O	bservations of YieldGard® maize
3.1	Agricultural practices in YieldGard® maize (compared to conventional maize)
conv	you change your agricultural practices in YieldGard® maize compared to rentional maize? If any of the answers is different from «As usual», please sify the change.
	did you perform your crop rotate for YieldGard® maize compared with rentional maize?
	O As usual O Changed, because ( describe the rotation):
Did y	you plant YieldGard® maize earlier or later than conventional maize?
	O As usual O Earlier O Later, because:
Did y maiz	you change your soil tillage or maize planting techniques to plant YieldGard® re?
	O As usual O Changed, because:



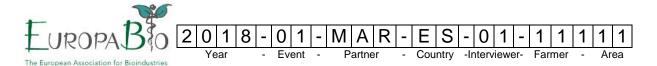
Full commercial name of insecticides you applied in YieldGard® maize field, including seed treatments:	
1	
2	
3	
4	
Full commercial name of herbicides you applied in YieldGard® maize field:	
1	
2	
3	
4	
Full commercial name of fungicides you applied in YieldGard® maize field:	
1	
2.	
3	
4.	
In 2013, 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:	
In 2013, did you change maize borer control practices in YieldGard® maize when compared to conventional maize?	
O Similar O Changed, because:	
In 2013, how were the fertilizer application practices in YieldGard® maize when compared to conventional maize?	
O Similar O Changed, because:	



	013, how were the irrigat rentional maize?	ion practices in `	YieldGard <sup>®</sup> maize wh	en compared to
	O Similar O Chai	nged, because:_		
Did v	/ou harvest YieldGard <sup>®</sup> r	maize earlier or	later than conventions	al maize?
<b></b> ,	O Similar O Earlier	O Later	Because:	
3.2	Characteristics of Yie conventional maize)	ldGard® 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)		O More often	O Less often
If ar	ny of the answers al	bove is differe	ent from «As usual	», please specify:
	se detail any additional e during its growth:	unusual obser	vations regarding the	e YieldGard® maize

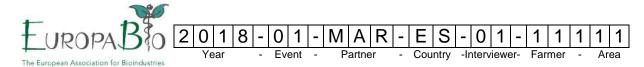
3.3	Characterise conventional			naize s	uscep	tibil	ity to disease	(compared to	)
	all assessment entional maize				of Yiel	dGaı	rd® maize com	pared to	
	O As usual	0	More susce	eptible <sup>4</sup>	Οl	_ess	susceptible4		
	above answer ase susceptibilit							ference in	
	<ol> <li>Fusarium</li> <li>Ustilago n</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> <li>other:</li> </ol>		= U. zeae		O Mo O Mo O Mo	re		O Less O Less	
Addit	tional comment	s:							
3.4	Characterise (compared to				l in Yi	eldG	ard® maize fi	ields	
	he two insects ties on:	s contr	olled by Y	⁄ieldGa	rd® m	aize,	overall effica	acy of the GI	M
1	. European cor	n bore	r (Ostrinia i	nubilalis	s):				
	O Very g	ood	O Good	O W	eak	0	Don't Know		
2	. Pink borer (S	esamia	a spp):						
	O Very g	ood	O Good	O W	eak	0	Don't Know		
Addit	tional comments	s:							
3.5	Characterise susceptibility				-		•	pests	
	pt the two insec Gard <sup>®</sup> maize co								f
	O A usual	ОМо	re suscept	ible	0 1	_ess	susceptible		

 $<sup>^4</sup>$  More susceptible than conventional maize or Less susceptible than conventional maize



If the above answer is different from «As usual», please spector pest susceptibility in the list and the commentary section below	•	ence in
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 YieldGard® maiz conventional maize)	•	mpared to
Overall assessment of the weed pressure in YieldGard® maiz conventional maize:	ze comparec	I to
O As usual O More weeds O Less weeds		
List the three most abundant weeds in your YieldGard® maiz	e field:	
1		
2		
3		
Were there any unusual observations regarding the occurrent YieldGard® maize?	ce of weeds	in
3.7 Occurrence of wildlife in YieldGard® maize fields (c conventional maize)	ompared to	•
General impression of the occurrence of wildlife (insects, bird YieldGard® maize compared to conventional maize fields:	ls, and mam	mals) 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 specify you	r observatio	n:

Occurre	ence of birds:				
0	As usual	O More	O Less	O Do not know	1
If the ar	nswer above is	s «More» or «L	ess», please	specify your obs	ervation:
Occurre	ence of mamm	als:			
0	As usual	O More	O Less	O Do not know	,
If the ar	nswer above is	s «More» or «L	ess», please	specify your obs	ervation:
3.8 F	eed use of Yie	eldGard® mai	ze (if previo	us year experien	ce with this event)
Did you	use the Yield	Gard <sup>®</sup> maize h	narvest for an	imal feed on your	farm?
0	Yes	O No			
				the performance entional maize.	of the animals fed
0	As usual	O Different	O Do	not know	
If the	answer at	oove is «D	ifferent», p	lease specify	your observation:
	ny additional vent xxxx that			[e.g. from fields e survey]	planted with



4 Im	plementation 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
	the seed bag labelled with accompanying specific documentation indicating the product is genetically modified maize YieldGard® maize?
	O Yes O No
Did y	ou comply with the label recommendations on seed bags?
	O Yes O No, because:
4.3	Prevention of insect resistance
Did y	ou plant a refuge in accordance to the technical guidelines?
	O Yes O No, because the surface of YieldGard® maize planted on the farm is < 5 ha O No, because