## 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:			
Data of intonvious (DD		1	

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.

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Code: Year		Event [	Partner [		Country $\Box\Box$	Interviewe	
Coding expla	anatior	ns:					
2 0 1 Year	3	- 0 1 - Code	M A R  Partner <sup>1</sup> Code	- E S Country Code	- 0 1 - Interviewer <sup>2</sup> Code	0 1 - Farmer Code	0 1 Area Code
Codes:							
Event:	01 02	MON 810 					
Partner <sup>6</sup> :	MAR	Monsanto Markin Agro.Ges 					
Country:	ES PT RO 	Spain Portugal Romania					
Interviewer <sup>7</sup> :	01 A 02 B 03						
Farmer: incr	ement	al counter within t	he interviewer				
Area: increm	nental (	counter within the	farmer				

<sup>&</sup>lt;sup>6</sup> Partner is the organization that implements the survey <sup>7</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?8
O Yes O No

 $<sup>^{\</sup>rm 8}$  Note: This question does not need to be asked in the 2013 season.

1.5	1.5 Soil characteristics of the maize grown area:					
Marl	k the predomina	ant soil type c	of the maize o	grown area (soil te	xture):	
	O very fine (cl O fine (clay, sa O medium (sa O medium-fin O coarse (san O no predomi O I do not kno	ndy clay, silty cl ndy clay loam, c e (silty clay loar d, loamy sand, s nant soil type	clay loam, sand n, silt loam)loar sandy loam)		n area on the farm)	
Cha	racterize soil qu	uality of the m	aize grown a	area (fertility):		
	O below avera O average - n O above aver	ormal				
Orga	anic carbon cor	ntent ( %)				
1.6	1.6 Local pest and disease pressure in maize:					
Cha	racterize this se	eason's gene	ral pest press	sure on the maize	cultivated area:	
	Diseases (fun Pests (insects nematodes) Weeds	• '	O Low O Low O Low	O As usual	O High	
2 Ty	ypical agronol Irrigation of I			aize on your farm		
	O Yes	O No				
If ye	s, which type o	f irrigation ted	chnique do yo	ou apply:		
	O Gravity	O Sprinkler	O Piv	ot O Othe	er	
2.2	Major rotatio	n of the maiz	e grown are	ea:		
	previous years two years ago					
2.3	Soil tillage pi	ractices:				
	O No	O Yes (mark	the time of t	illage: O Winter	O Spring)	
2.4	Maize plantin	ng technique	<u>.                                    </u>			

	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)
8	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 OI	bservations of YieldGard® maize
3.1	Agricultural practices in YieldGard® maize (compared to conventional maize)
conv	ou change your agricultural practices in YieldGard <sup>®</sup> maize compared to entional maize? If any of the answers is different from «As usual», please ify the change.
	did you perform your crop rotate for YieldGard® maize compared with entional maize?
	O As usual O Changed, because ( describe the rotation):
Did y	ou plant YieldGard® maize earlier or later than conventional maize?
	O As usual O Earlier O Later, because:

Did you change your soil tillage or maize planting techniques to plant YieldGard® maize?	
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:	

	013, how were the fertiliz pared to conventional ma		oractices in YieldGard	® maize when
	O Similar O Char	nged, because:		
	013, how were the irrigat ventional maize?	ion practices in	YieldGard <sup>®</sup> maize wh	nen compared to
	O Similar O Char	nged, because:		
Did y	you harvest YieldGard <sup>®</sup> r	naize earlier or	later than convention	al maize?
	O Similar O Earlier	O Later	Because:	
3.2	Characteristics of Yie conventional maize)	ldGard® maiz	e in the field (compa	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	rs		
	from previous year planting (if relevant)	O As usual	O More often	O Less often
If a	ny of the answers al	bove is differ	ent from «As usua	l», please specify:

	se detail any add ze during its growt	_		regarding the	YieldGard <sup>®</sup> maize
3.3	Characterise th conventional m		naize suscep	tibility to diseas	se (compared to
	rall assessment o ventional maize (fu	-	•	dGard <sup>®</sup> maize co	ompared to
	O As usual	O More susce	eptible <sup>9</sup> O I	_ess susceptible	4
	e above answer is ase susceptibility		· •		difference in
	<ol> <li>Fusarium sp</li> <li>Ustilago ma</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> <li>xxx</li> </ol>	•	О Мо	O More O More re O Less re O Less re O Less	O Less O Less
	6. Other:			O More	O Less
۸ddi	itional comments:				
3.4	Characterise th	•		eldGard® maize	fields
On to	he two insects cor	ntrolled by Yield	Gard <sup>®</sup> maize,	overall efficacy o	f the GM varieties
1	. European corn	borer (Ostrinia r	nubilalis):		
	O Very god	od O Good	O Weak	O Don't Know	
2	2. Pink borer (Ses	samia spp):			
	O Very goo	od O Good	O Weak	O Don't Know	
Addi	itional comments:				

<sup>&</sup>lt;sup>9</sup> More susceptible than conventional maize or Less susceptible than conventional maize

3.5 Characterise the YieldGard® maize susceptibility t susceptibility (compared to conventional maize)	o OTHER pe	sts			
Except the two insects mentioned above, overall assessment YieldGard® maize compared to conventional maize (insect,					
O A usual O More susceptible O Less sus	ceptible				
If the above answer is different from «As usual», please spe pest susceptibility in the list and the commentary section be	•	rence 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® maize fields (compared to conventional maize)					
Overall assessment of the weed pressure in YieldGard® maize compared to conventional maize:					
O As usual O More weeds O Less weeds	5				
List the three most abundant weeds in your YieldGard® mai:	ze field:				
1					
2					
3					
Were there any unusual observations regarding the occurre YieldGard® maize?					
3.7 Occurrence of wildlife in YieldGard® maize fields (	compared to	)			

General impression of the occurrence of wildlife (insects, birds, and mammals) in YieldGard® maize compared to conventional maize fields:

conventional maize)

Occurrence of insects (arthropods):

	O As usual	O More	O Less	O Do not kr	now	
If the	e answer abov	e is «More» or	«Less», plea	se specify your o	bservatio	on:
Осс	urrence of bird	ls:				
	O As usual	O More	O Less	O Do not kr	ow	
If the	e answer abov	e is «More» or	«Less», plea	se specify your o	bservatio	on:
Осс	urrence of ma	mmals:				
	O As usual	O More	O Less	O Do not kr	NOW	
If the	e answer abov	e is «More» or	«Less», plea	se specify your o	bservatio	on:
3.8	Feed use of	YieldGard® m	aize (if previ	ous year exper	ience wi	th this event)
Did	you use the Yi	eldGard <sup>®</sup> maize	harvest for a	animal feed on y	our farm?	?
	O Yes	O No				
				of the performan		e animals fed
	O As usual	O Differe	nt O D	o not know		
lf ·	the answer	above is «	Different»,	please specify	your	observation:

Any additional remarks or observations [e.g. from fields planted with event xxxx that were not selected for the survey]

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 surface of YieldGard® maize planted on the farm is < 5 ha O No, because