EuropaBio Monitoring WG Farmer Questionnaire

Product: insect protected YieldGard® maize

Name of farmer:		
Address of farmer: _	 	
City:	 	

Farmer personal and confidential data

Postal code:

Name of interviewer: _____

Date of interview (DD / MM / 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.

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Code:							
Year \square		Event	Partner		Country $\Box\Box$	Interviewer	
Farmer]	Area 🔲 🔲					
Coding expl	lanatior	ns:					
2 0 0	9	- 0 1 -	M O N	- E S	- 0 1 -	0 1 -	0 1
Year		Event Code	Partner ¹ Code	Country	Interviewer ² Code	Farmer Code	Area Code
Codes:							
Event:	01 02	MON 810					
Partner ¹ :	MAR	Monsanto Markin Agro.Ges					
Country:	ES PT 	Spain Portugal					
Interviewer ²	2:01 A 02 B 03						
Farmer: inci	rement	al counter within	the interviewer				
Area: incren	mental (counter within the	e farmer				

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:	
1.2 Surrounding environment:	
Which of the following would best describe the land usage in the surrounding areas planted with YieldGard® maize	of the
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.	l li
Are you growing any other GM maize varieties this season? ³	
O Yes O No	

³ Note: This question does not need to be asked in the 2016 season.

1.5	Soil characteristics of th	ne maize gro	wn area:	
Marl	k the predominant soil type	of the maize	grown area (soil te	xture):
	O very fine (clay)			
	O fine (clay, sandy clay, silty of medium (sandy clay loam, O medium-fine (silty clay load) O coarse (sand, loamy sand, O no predominant soil typo I do not know	clay loam, sand am, silt loam)load sandy loam)	m)	n area on the farm)
Cha	racterize soil quality of the r	maize grown a	area (fertility):	
	O below average - poo O average - normal O above average -good	b		
Orga	anic carbon content (%)			
1.6	Local pest and disease	pressure in n	naize:	
Cha	racterize this season's gene	eral pest pres	sure on the maize	cultivated area:
	Diseases (fungal, viral) Pests (insects, mites, nematodes) Weeds	O Low O Low O Low	O As usual	O High O High O High
	Typical agronomic praction		maize on your farı	m
2.1	Irrigation of maize grow	n area:		
	O Yes O No			
If ye	es, which type of irrigation te	chnique do y	ou apply:	
	O Gravity O Sprinkle	er O Pi	vot O Othe	er
2.2	Major rotation of the ma	ize grown ard	ea:	
	previous year:two years ago:			
2.3	Soil tillage practices:			
		k the time of t	tillage: O Winter	O Spring)
2.4	Maize planting technique	e:		
	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)
	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:// Forage maize://
3 (bservations of YieldGard® maize
3.1	bservations of YieldGard® maize Agricultural practices in YieldGard® maize (compared to conventional maize)
Jid y	Agricultural practices in YieldGard® maize (compared to conventional
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please by the change. did you perform your crop rotate for YieldGard® maize compared with
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please by the change. did you perform your crop rotate for YieldGard® maize compared with entional maize?
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please by the change. did you perform your crop rotate for YieldGard® maize compared with entional maize?
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please by 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 conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to entional maize? If any of the answers is different from «As usual», please by the change. did you perform your crop rotate for YieldGard® maize compared with entional maize? O As usual O Changed, because (describe the rotation): ou plant YieldGard® maize earlier or later than conventional maize? O As usual O Earlier O Later, because: ou change your soil tillage or maize planting techniques to plant YieldGard®

Full commercia seed treatment		secticides you ap	oplied in	YieldGard® maize field, including	
1					
Full commercia	Il name of he	rbicides you app	olied in Y	'ieldGard® maize field:	
1				_	
2					
3					
4					
Full commercia	ıl name of fur	ngicides you app	olied in Y	ïeldGard® maize field:	
1					
		•	ol practio	ces in YieldGard® maize when	
compared to co	onventional m	naize?			
Insecticides:	O Similar	O Different, be	ecause:_		
Herbicides:	O Similar	O Different, be	20011001		
nerbicides.	O Sillillai	O Dillerent, be	ecause		
Fungicides:	O Similar	O Different, be	ecause:_		
In 2009, did yo compared to co			l practice	es in YieldGard® maize when	
O Similar					
2 2					
In 2009, how w			oractices	in YieldGard® maize when	
O Similar	O Cha	anged, because:			

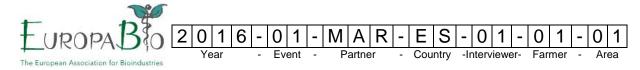
	009, how we rentional ma		ion prac	tices in Yi	eldGard@	® maize	when	compared to	1
	O Similar	O Cha	nged, be	cause:					_
Did y	ou harvest	YieldGard®	maize e	arlier or la	ter than	conven	tional r	naize?	
	O Similar	O Earlier	O La	ater B	ecause:				
3.2	Character convention		YieldGa	ard® ma	ize in	the	field	(compared	to
	Germinatio	n vigour	O As u	sual C	More v	igorous	0	Less vigorou	ıs
	Time to em	ergence	O As u	sual C	Accele	rated	0	Delayed	
	Time to ma	le flowering	O As u	sual C	Accele	rated	0	Delayed	
	Plant growt developme		O As u	sual C) Accele	rated	0	Delayed	
	Incidence of lodging	of stalk/root	O As u	sual C) More o	often	0	Less often	
	Time to ma	ıturity	O As u	sual C	Accele	rated	0	Delayed	
	Yield		O As u	sual C	Higher	yield	0	Lower yield	
	Occurrence from previous planting (if	•	ers O As u	sual C) More o	often	0	Less often	
If a	ny of the	answers a	bove is	different	from	«As us	sual»,	please spe	cify:
									_
	se detail ar e during its			l observa			the Yi	eldGard® ma	aize —

3.3	Characterise the Y conventional maize		maize susce _l	ptibility to diseas	e (compared to
	all assessment of dis entional maize (funga		•	ldGard® maize coi	mpared to
	O As usual O	More susce	eptible ⁴ O	Less susceptible4	
	above answer is diff ase susceptibility in th				fference in
	 Fusarium spp Ustilago maydis xxx xxx xxx xxx xxx xxx xxx Other: 	s = U. zeae		O More O More O More O More O More O More	O Less O Less O Less
Addi	tional comments:				
3.4	Characterise the (compared to convenience)	entional ma	aize)		
	ties on:	nonou by 1	iola Cara o 11	iaizo, ovoiaii oinie	doy or the Civi
1	. European corn bor	er (Ostrinia	nubilalis):		
	O Very good	O Good	O Weak	O Don't Know	
2	. Pink borer (Sesam	ia spp):			
	O Very good	O Good	O Weak	O Don't Know	
Addi	tional comments:				
3.5	Characterise the			•	OTHER pests
	susceptibility (com	pared to co	onventional r	maize)	
	pt the two insects me Gard® maize compa			•	
	O As usual O	More susce	eptible	O Less susceptible	e

 $^{^4}$ More susceptible than conventional maize or <u>Less susceptible</u> than conventional maize

If the above answer is different from «As usual», please spe pest susceptibility in the list and the commentary section bel	•	fference in
	OW. O More	0.1.000
1	•	0 2000
2	O More	
3	O More	
4	O More	
5	O More	O Less
Additional comments:		
3.6 Characterise the weed pressure in YieldGard® macconventional maize)	ize field:	s (compared to
Overall assessment of the weed pressure in YieldGard® maconventional maize:	ize compa	ared to
O As usual O More weeds O Less weeds		
List the three most abundant weeds in your YieldGard® mai:	ze field:	
<u> </u>		
1		
2		
3		
Were there any unusual observations regarding the occurren	nce of we	eds in
YieldGard® maize?		
3.7 Occurrence of wildlife in YieldGard® maize conventional maize)	fields	(compared to
General impression of the occurrence of wildlife (insects, bire YieldGard® maize compared to conventional maize fields:	ds, and m	ammals) 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		ation:

Occurrence of birds:
O As usual O More O Less O Do not know
If the answer above is «More» or «Less», please specify your observation:
Occurrence of mammals:
O As usual O More O Less O Do not know
If the answer above is «More» or «Less», please specify your observation:
3.8 Feed use of YieldGard® maize (if previous year experience with the
event)
Did you use the YieldGard® maize harvest for animal feed on your farm?
O Yes O No
If "Yes", please give your general impression of the performance of the animals fe YieldGard® maize compared to animals fed conventional maize.
O As usual O Different O Do not know
If the answer above is «Different», please specify your observation
3.9 Any additional remarks or observations [e.g. from fields planted with
event xxxx that were not selected for the survey]



4 I	mplementation 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 he 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