

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.

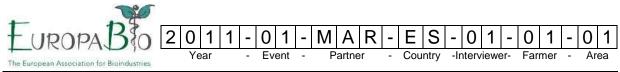
[®] Registered trademark of Monsanto Technology LLC.

Code:			
Year \square		Event Partner Country	Interviewer
Farmer		Area 🔲 🔲	
Coding expl	anatio	ons:	
2 0 1 Year	0	Event Partner ¹ Country Interviewe Code Code Code	r ² Farmer Area Code Code
Codes:			
Event:	01 02 03	MON 810 NK 603	
Partner ¹ :	MAR	Monsanto Markin Agro.Ges	
Country:	ES PT PL	Spain Portugal Poland	
Interviewer ²	: 01 A 02 B 03		
Farmer: incr	ement	tal counter within the interviewer	
Area: incren	nental	counter within the farmer	

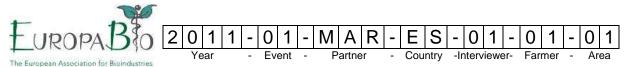
 $^{^{\}rm 1}$ Partner is the organization that implements the survey $^{\rm 2}$ Interviewer is the employee from the Partner that is contacting the farmers

4 Moi-to group area
1 Maize grown area 1.1 Location:
1.1 LOCAUOII.
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 form (ba)
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
J
List up to five conventional varieties planted this season:
1
2
3
4
5
Are you growing any other GM maize varieties this season? ³
O Yes O No

 $[\]overline{\,}^3$ Note: This question does not need to be asked in the 2011 season.



1.5	Soil characteristics of the	e maize grow	n area:	
Marl	k the predominant soil type o	of the maize g	rown area (soil tex	ture):
	O very fine (clay)			
	O fine (clay, sandy clay, silty c O medium (sandy clay loam, O medium-fine (silty clay loa O coarse (sand, loamy sand, O no predominant soil type O I do not know	clay loam, sandy m, silt loam)loam sandy loam)	n)	area on the farm)
Cha	racterize soil quality of the n	naize grown a	rea (fertility):	
	O below average - poor O average - normal O above average -good	I		
Orga	anic carbon content (%)			
1.6	Local pest and disease p	ressure in m	aize:	
Cha	racterize this season's gene	eral pest press	ure on the maize o	ultivated area:
	Diseases (fungal, viral) Pests (insects, mites, nematodes) Weeds	O Low O Low O Low	O As usual	O High O High O High
2	Typical agronomic practic	es to grow m	aize on your farm	1
2.1	Irrigation of maize grown			
	O Yes O No			
If ye	s, which type of irrigation ted	chnique do yo	u apply:	
	O Gravity O Sprinkle	r O Piv	ot O Other	
2.2	Major rotation of the mail	ze grown are	 a:	
	previous year: two years ago:			
2.3	Soil tillage practices:			
		the time of til	lage: O Winter	O Spring)
2.4	Maize planting technique) <i>:</i>		
	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
	D Fungicide(s) D Mechanical weed control D Use of bio control treatments (e.g. Trichogramma) D 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://
3.1	bservations of YieldGard [®] maize Agricultural practices in YieldGard [®] maize (compared to conventiona maize)
Jid y	
Did y conv spec	Agricultural practices in YieldGard [®] maize (compared to conventional maize) ou change your agricultural practices in YieldGard [®] maize compared to ntional 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 ntional maize? If any of the answers is different from «As usual», please y the change. lid 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 ntional maize? If any of the answers is different from «As usual», please y the change. lid you perform your crop rotate for YieldGard® maize compared with ntional maize?
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to ntional maize? If any of the answers is different from «As usual», please y the change. lid you perform your crop rotate for YieldGard® maize compared with ntional maize?
Did y conv spec	Agricultural practices in YieldGard® maize (compared to conventional maize) ou change your agricultural practices in YieldGard® maize compared to ntional maize? If any of the answers is different from «As usual», please y the change. lid you perform your crop rotate for YieldGard® maize compared with ntional 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 ntional maize? If any of the answers is different from «As usual», please yethe change. Itid you perform your crop rotate for YieldGard® maize compared with ntional maize? O As usual O Changed, because (describe the rotation):



O Similar

O Changed, because:

2	0	1	1	-	0	1	-	М	Α	R	-	Ш	S	•	0	1	-	0	1	-	0	1
	Υe	ar		-	Εv	ent	-	Р	artne	er	-	Cou	ntrv	-Ir	nterv	iewe	er-	Far	mer	-	Ar	ea

The European Association for Bioindustries	76
Full commercial name of insecticides you applied in YieldGard [®] maize field seed treatments:	d, including
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 2011, how were the weed and pest control practices in YieldGard [®] maiz compared to conventional maize?	ze when
Insecticides: O Similar O Different, because:	
Herbicides: O Similar O Different, because:	
Fundicides O Similar O Different because	
Fungicides: O Similar O Different, because:	
In 2011, did you change maize borer control practices in YieldGard [®] maize compared to conventional maize?	e when
O Similar O Changed, because:	
In 2011, how were the fertilizer application practices in YieldGard [®] maize compared to conventional maize?	when



2	0	1	1	-	0	1	-	М	Α	R	-	Е	S	-	0	1	-	0	1	-	0	1
	Υe	ear		-	Εv	ent	-	Р	artne	er	-	Cou	ntry	-Ir	nterv	iewe	er-	Far	mer	-	Ar	ea

In 2011, how were the irrigation practices in YieldGard [®] maize when compared to conventional maize?									
	O Similar O Cha	nged, because:							
Did y	ou harvest YieldGard®	ا maize earlier or	later than convention	al maize?					
	O Similar O Earlier	O Later	Because:						
3.2	Characteristics of Yie	aldGard® maizo	in the field (compar	ed to conventional					
J.Z	maize)		m the held (compar	ed to conventional					
	Germination vigour	O As usual	O More vigorous	O Less vigorous					
	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 an	ny of the answers a	bove is differe	ent from «As usual	», please specify:					
Please detail any additional unusual observations regarding the YieldGard [®] maize maize during its growth:									

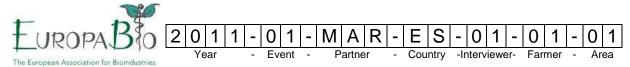
3.3	Characterise the conventional ma		maize susce _l	otibility to disease	e (compared to
	rall assessment of ventional maize (fu			ldGard [®] maize com	npared to
	O As usual	O More susce	eptible ⁴ O	Less susceptible ⁴	
	e above answer is ase susceptibility in			ease specify the di y section below:	fference in
	 Fusarium sp Ustilago may xxx xxx xxx xxx 0ther: 			O More O More O More O More O More O More	O Less O Less O Less
Addi	tional comments:			·	
				(2)	
	(compared to co	nventional ma	aize)	ol in YieldGard® naize, overall effic	
On varie	(compared to co	onventional ma	<i>aize)</i> YieldGard [®] m		
On varie	the two insects of the two insec	controlled by Notes	aize) YieldGard [®] m nubilalis):		
On varie	the two insects of the two insec	controlled by Notes on the controlled by Notes o	aize) YieldGard [®] m nubilalis):	naize, overall effic	
On varie	the two insects of eties on: . European corn to O Very good. 2. Pink borer (Sesa	controlled by Notes on the controlled by Notes o	aize) YieldGard [®] m nubilalis): O Weak	naize, overall effic	
On varie 1	the two insects of eties on: . European corn to O Very good	controlled by Note of the Controlled by Note	aize) YieldGard [®] m nubilalis): O Weak O Weak	naize, overall effic	acy of the GM
On varie 1	the two insects of eties on: . European corn to O Very good	controlled by Note of the Controlled by Note	aize) YieldGard [®] m nubilalis): O Weak O Weak	naize, overall effica O Don't Know O Don't Know	acy of the GM
On varie 1	the two insects of eties on: . European corn to O Very good	controlled by Note of the Controlled by Note	aize) YieldGard [®] m nubilalis): O Weak O Weak	naize, overall effica O Don't Know O Don't Know	acy of the GM
On varie 1	the two insects of two insects of the two insects of the two insects of the two insects of the two insects of two insects of the two insects of two inse	controlled by Note on the controlled by Note	aize) YieldGard® m nubilalis): O Weak O Weak	O Don't Know O Don't Know	acy of the GM
On varied Addi	the two insects of the two insec	controlled by Note on the Controlled by Note of the Controlled by Note	rieldGard® mubilalis): O Weak O Weak maize sonventional incove, overall as	O Don't Know O Don't Know	acy of the GM OTHER pests

 $^{^4}$ More susceptible than conventional maize or Less susceptible than conventional maize

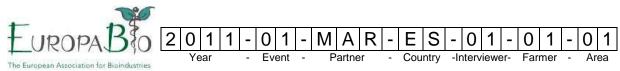


2	0	1	1	-	0	1	-	М	Α	R	-	Е	S	-	0	1	-	0	1	-	0	1
	Υe	ar		-	Εv	ent	-	Р	artne	er	-	Cou	ntry	-Ir	nterv	iewe	er-	Far	mer	-	Ar	ea

If the above answer is different from «As usual», please pest susceptibility in the list and the commentary section		lifference in
1	O More	e O Less
2.	O More	e O Less
3	O More	e O Less
4	O More	e O Less
5	O More	e O Less
Additional comments:		
	(a)	
3.6 Characterise the weed pressure in YieldGard conventional maize)	" maize field	s (compared to
Overall assessment of the weed pressure in YieldGard® conventional maize:	maize compa	ared to
O As usual O More weeds O Less we	eeds	
List the three most abundant weeds in your YieldGard®	maize field:	
1		
2		
3		
Were there any unusual observations regarding the occ YieldGard [®] maize?	currence ot we	eds in
3.7 Occurrence of wildlife in YieldGard® macconventional maize)	aize fields	(compared to
General impression of the occurrence of wildlife (insects YieldGard® maize compared to conventional maize field		nammals) in
Occurrence of insects (arthropods):		
O As usual O More O Less O Do	o not know	
If the answer above is «More» or «Less», please specify	y your observ	ation:



Occurr	ence of birds	. .				
			O Loss	O Do not kno	2147	
If the answer above is «More» or «Less», please specify your observation:						
Occurr	ence of mam	nmals:				
0	As usual	O More	O Less	O Do not kno	ow .	
If the answer above is «More» or «Less», please specify your observation:						
3.8 F	iood uso of '	VioldGard [®] m:	nizo (if provio	us voar oxporio	ence with this event)	
		_		nimal feed on yo	-	
	o Yes	O No	inarvestior a	niinarieed on yo	ur iaiiir!	
			l :	£ 46 a a a uf a una a ua		
If "Yes", please give your general impression of the performance of the animals fed YieldGard® maize compared to animals fed conventional maize.						
0	As usual	O Differe	nt O Do	not know		
If the	answer	above is «	:Different», p	olease specify	your observation:	
	•	nal remarks on that were not s			fields planted with	



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
	s the seed bag labelled with accompanying specific documentation indicating 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