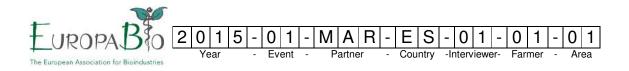
Appendix 2. MON 810 Farmer Questionnaire: 2015



## EuropaBio Monitoring WG Farmer Questionnaire

## **Product: insect protected YieldGard® maize**

## Farmer personal and confidential data

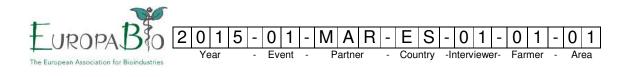
Name of farmer:	
Address of farmer:	
City:	
Postal code:	
Name of interviewer:	
Date of interview (DD	) / MM / YYYY):/

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.

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





Coding explanations:

2 0 1	3	- 0 1 -	M A R	- E S	- 0 1 -	0 1 -	0 1
		$\Box$	$\subseteq $	$\Box$	$\Box$	$\subseteq$	$\Box$
Year		Event	Partner <sup>1</sup>	Country	Interviewer <sup>2</sup>	Farmer	Area
		Code	Code	Code	Code	Code	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	the interviewer				

Area: incremental counter within the farmer

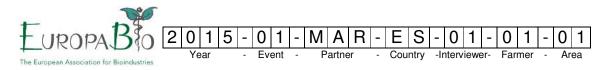
 <sup>&</sup>lt;sup>6</sup> Partner is the organization that implements the survey
 <sup>7</sup> Interviewer is the employee from the Partner that is contacting the farmers

European Association for Bioindustries       2015-01-01-01-01         Year       - Event       - Partner       - Country         - Determine       - Area	]
1 Maize grown area 1.1 Location:	
Country:	
County:	
<b>1.2 Surrounding environment:</b> Which of the following would best describe the land usage in the surrounding of the areas planted with YieldGard <sup>®</sup> 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 <sup>®</sup> 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>8</sup>	
O Yes O No	

<sup>&</sup>lt;sup>8</sup> Note: This question does not need to be asked in the 2013 season.

-	JROPAB opean Association for Bioind		- Event -		- 0 1 - 0 1 - 0 1 Interviewer- Farmer - Area
<b>1.5</b> Marl		inant soil type of		<b>vn area:</b> grown area (soil te	xture).
Iviari	O very fine				
	O fine (clay, s O medium (s O medium-f O coarse (sa	sandy clay, silty cl sandy clay loam, o ine (silty clay loar and, loamy sand, s minant soil type	clay loam, sand m, silt loam)loai sandy loam)		n area on the farm)
Cha	racterize soil	quality of the m	naize grown a	area (fertility):	
	O below ave O average -				
	O above ave				
Orga	anic carbon c	ontent ( %)			
1.6	Local pest	and disease p	ressure in n	naize:	
Cha	racterize this	season's gene	ral pest pres	sure on the maize	cultivated area:
	Diseases (fu	- /	O Low	O As usual	O High
	Pests (insec nematodes) Weeds	ts, mites,	O Low O Low	O As usual O As usual	O High O High
2 T	ypical agron	omic practices	s to grow m	aize on your farm	I
2.1	Irrigation of	f maize grown	area:		
	O Yes	O No			
lf ye		of irrigation teo			
	O Gravity	O Sprinkle	r O Piv	vot O Othe	er
2.2	Major rotati	ion of the mai	ze grown are	ea:	
		ar: go:			
2.3	Soil tillage	practices:			
	O No	O Yes (mark	the time of t	illage: O Winter	O Spring)
2.4	Maize plant	ting technique	:		
	O Conventio O Mulch O Direct sov	onal planting wing			

	UROPABIO       2015-01-MAR-ESO       01-01-01         Operan Association for Bioindustries       Year       Event       Partner       Country       Interviewer-       Farmer       Area
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:// Forage maize://
	bservations of YieldGard® maize
3.1	Agricultural practices in YieldGard® maize (compared to conventional maize)
conv	you change your agricultural practices in YieldGard <sup>®</sup> maize compared to ventional maize? If any of the answers is different from «As usual», please cify the change.
	v did you perform your crop rotate for YieldGard <sup>®</sup> maize compared with ventional maize?
	O As usual O Changed, because ( <i>describe the rotation</i> ):
Did	you plant YieldGard <sup>®</sup> 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 <sup>®</sup> ze?
	O As usual O Changed, because:
i i	



Full commercial name of insecticides you applied in YieldGard <sup>®</sup> maize field, including seed treatments:	
1	
2	
3	
4	
Full commercial name of herbicides you applied in YieldGard <sup>®</sup> maize field:	
1	
2	
3	
4	
Full commercial name of fungicides you applied in YieldGard <sup>®</sup> maize field:	
1	
2	
3	
4	
In 2013, how were the weed and pest control practices in YieldGard <sup>®</sup> 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 <sup>®</sup> maize when compared to conventional maize?	
O Similar O Changed, because:	
In 2013, how were the fertilizer application practices in YieldGard <sup>®</sup> maize when compared to conventional maize?	
O Similar O Changed, because:	

conventional maize)Germination vigourO As usualO More vigourousO Less vigourousTime to emergenceO As usualO AcceleratedO DelayedTime to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO AcceleratedO DelayedOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	O Similar       O Earlier       O Later       Because:         3.2       Characteristics of YieldGard® maize in the field (compared to conventional maize)         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 More often       O Less often         Vield       O As usual       O More often       O Less often         Delayed       O As usual       O More often       O Less often         Incidence of volunteers from previous year planting (if relevant)       O As usual       O More often       O Less often	In 20	Propading 20 Year 13, how were the irrigate entional maize? O Similar O Cha	ır - Event -	Partner - Country -Int	0 1 - 0 1 - 0 1 erviewer- Farmer - Area
conventional maize)Germination vigourO As usualO More vigourousO Less vigourousTime to emergenceO As usualO AcceleratedO DelayedTime to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO AcceleratedO DelayedOccurrence of volunters from previous year planting (if relevant)O As usualO More oftenO Less often	conventional maize)Germination vigourO As usualO More vigourousO Less vigourousTime to emergenceO As usualO AcceleratedO DelayedTime to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO AcceleratedO DelayedOccurrence of volunte=s from previous year 	Did y				al maize?
Time to emergenceO As usualO AcceleratedO DelayedTime to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	Time to emergenceO As usualO AcceleratedO DelayedTime to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	3.2		ldGard® maiz	e in the field (compa	red to
Time to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	Time to male floweringO As usualO AcceleratedO DelayedPlant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous yearOOO		Germination vigour	O As usual	O More vigourous	O Less vigourous
Plant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	Plant growth and developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often		Time to emergence	O As usual	O Accelerated	O Delayed
developmentO As usualO AcceleratedO DelayedIncidence of stalk/root lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	developmentO As usualO AcceleratedO DelayedIncidence of stalk/rootIncidence of stalk/rootO More oftenO Less oftenIodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often		Time to male flowering	O As usual	O Accelerated	O Delayed
lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	lodgingO As usualO More oftenO Less oftenTime to maturityO As usualO AcceleratedO DelayedYieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often			O As usual	O Accelerated	O Delayed
YieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often	YieldO As usualO Higher yieldO Lower yieldOccurrence of volunteers from previous year planting (if relevant)O As usualO More oftenO Less often			O As usual	O More often	O Less often
Occurrence of volunteers from previous year planting (if relevant) O As usual O More often O Less often	Occurrence of volunteers from previous year planting (if relevant) O As usual O More often O Less often		Time to maturity	O As usual	O Accelerated	O Delayed
from previous year planting (if relevant) O As usual O More often O Less often	from previous year planting (if relevant) O As usual O More often O Less often		Yield	O As usual	O Higher yield	O Lower yield
		lf a	from previous year planting (if relevant)	O As usual		
Please detail any additional unusual observations regarding the YieldGard <sup>®</sup> maize maize during its growth:						

+																							
t UROPABEO	2	0	1	5	-	0	1	-	Μ	Α	R	-	Ε	S	-	0	1	-	0	1	-	0	1
The European Association for Bioindustries		Ye	ear		-	Ev	ent	-	Р	artne	er	-	Cou	ntry	-Ir	nterv	iewe	ər-	Far	mer	-	Ar	ea

## 3.3 Characterise the YieldGard® maize susceptibility to disease (compared to conventional maize)

Overall assessment of disease susceptibility of YieldGard<sup>®</sup> maize compared to conventional maize (fungal, viral diseases):

O As usual O More susceptible<sup>9</sup> O Less susceptible<sup>4</sup>

If the above answer is different from «As usual», please specify the difference in disease susceptibility in the list and the commentary section below:

uisease s		ne iist and the	e commentary	Section below.		
2. 3. 4. 5.	<i>Fusarium</i> spp <i>Ustilago maydi</i> xxx xxx xxx Xxx Other:	s = U. zeae	O Mor O Mor O Mor	e O Less	O Less O Less O Less	
Additiona	l comments:					
	aracterise the II mpared to conv			eldGard® maize		
	two insects cor		-		icacy of the GM	
1. Eu	ropean corn bo	rer (Ostrinia n	ubilalis):			
	O Very good	O Good	O Weak	O Don't Know		
2. Pi	nk borer (Sesam	nia spp):				
	O Very good	O Good	O Weak	O Don't Know		
Additiona	al comments:					
	aracterise the Y ceptibility (con				R pests	
	ne two insects m d <sup>®</sup> maize compa				t susceptibility of matode pests):	
$\cap$		lora suscenti		ass suscentible		

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

t 15				
The European Association for Bioindustries           2015-01-M           Year         Event	AR-ES	<b>- 0 1 -</b> -Interviewer-	01-01 Farmer - Area	
The Languean Association for Brandostines				
If the above answer is different from «As usua pest susceptibility in the list and the commentation			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 Yie	eldGard® maiz	e fields (co	ompared to	
conventional maize)				
Overall assessment of the weed pressure in Y conventional maize:	'ieldGard <sup>®</sup> maiz	e compare	d to	
O As usual O More weeds O	O Less weeds			
List the three most abundant weeds in your Yi	eldGard <sup>®</sup> maize	e field:		
1				
2				
3				
Were there any unusual observations regardin YieldGard <sup>®</sup> maize?	-	ce of weed	s in	
3.7 Occurrence of wildlife in YieldGard® r conventional maize)	maize fields (c	ompared t	0	
General impression of the occurrence of wildlin YieldGard <sup>®</sup> maize compared to conventional n		s, and man	nmals) in	
Occurrence of insects (arthropods):				
O As usual O More O Less	O Do not	know		
If the answer above is «More» or «Less», plea	ase specify you	r observatio	on:	

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 this event)
Did you use the YieldGard <sup>®</sup> 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 fed YieldGard <sup>®</sup> 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]

Line European Association for Bioindustries       2       0       1       5       -       0       1       -       M       A       R       -       E       S       -       0       1
<ul> <li>4 Implementation of Bt-maize specific measures</li> <li>4.1 Have you been informed on good agricultural practices for YieldGard® maize?</li> </ul>
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 <sup>®</sup> 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 <sup>®</sup> maize planted on the farm is < 5 ha O No, because