



QPRI *Express* ✓ User Guide



Illustrated User Guide for QPRI Express

DISCLAIMER

Users are solely responsible for their utilization of QPRI $Express \checkmark$. No ministry or government organization may be held responsible for the application of results generated by QPRI $Express \checkmark$.

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1. Home Page



1.1 Main Menu (after opening a session)



2. Data Entry

	Risk indexe	es and pesticide record
	DATA ENTRY (*: Req	uired information)
	General information	
1	Farm business :	Apple - orchardist 💉 New farm business
1 →	Field :	Honeycrisp 💌 *
	Area of cultivated field (ha	a) : 1
2 ——	Crop type :	Apple
	Treatment information	
3 ——	Treatment date :	15 MAY 🖌 2009 (dd/mm/yyyy) *
-	Application technique :	Select ×
4	Type of pesticide :	Select Add a product -
5	Commercial product :	Select a registered product for that type of crop and the targeted pest 💌 *

1. Select or add a new farm business. Select or add a treated field and its area.

2. Select this field's crop type.

3. Enter treatment date. If you have multiyear data to enter, begin with earliest year. Note that it is not possible to enter data for years prior to 2000.

4. Select an application technique (type of sprayer or seed treatment, etc.).

5. View commercial product list in one of four product categories provided (fungicides, herbicides, insecticides, other). Then select <u>registered pesticides</u> for the targeted pest(s) (next page).

To add a product that is not in the list: Select this command only when using the QPRI $Express \checkmark$ as a pesticide registry. Risk indexes cannot be calculated for products that were not in the initial list.

N.B. If you wish to include an procedure that is not a pest control treatment, you can add it here. For example, enter "mechanical weeding" as a "new product."

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General information Farm business :: Apple - orchardist • • • • • • • • • • • • • • • • • • •	General information Farm business :: Apple - orchardist	DATA ENTRY (*	Required information)
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	 The ERI and HRI generated by QPRI <i>Express</i> cannot be compared with each or because their weighting is not equivalent and they are not calculated using the sa variables. 	Weather -	
		r the area treated (er the rate or total org/ha and the amo	product applied. a smaller treatment area reduces the risk). amount of the commercial product applied. The rate will be expres bunt in kg or liters. HRI are calculated automatically once the amount of the selec duct applied is entered.

• Theoretically the ERI value can vary from 1 to 961 and the HRI from approximately 1 to 23,040. However, the HRI indexes are usually lower than 1,000.

I.

Application technique	Air BL Spr - high or late	ral directed spray -	ABS-HI V *	
Turna of nonticide :	An Di. Spi nigh of late	ardirected spray -		
Type of pesticide :	tongicide			
Commercial product :	SUPRA CAPTAN 80 W	DG - 24613		
Area treated (ha) :	1 *		Active ingredient(s) : ca	ptane
Rate or amount applied	Rate 3750 g/ha or	Amount 3.75 kg	Chemical family(ies): Ph * Resitance group(s): M	talimide
Treatment period :	at flowering			
Targeted pest(s) :	Apple scab	1		
Product risk / ha :	ERI : 86		HRI : 384	
calculated as a function of the	e applied rate of 3750 g/ha			Save treatment
Weather conditions Weather :	cloudy 🖌			
T°:	12			
Wind speed :	4 à 7 km/h: Smoke drifts	and leaves rustle	~	
Time of day :	am 08h00-12h00 🛩			
Control effectiveness Very good ❤ Comments (tank mix a	mount, nozzles, pressu	e, applicator nam	e, etc.)	
200 L/ha, AITX, 6	bars		• •	
				Save treatment
			7	

9. If you click on the information icon, you will be redirected to the SAgE pesticide "commercial product" record.

10. It is highly recommended that you enter data into the "Treatment Period" and "Targeted Pest" fields as well as those in the "Weather Conditions," "Control Effectiveness," and "Comments" sections so that the pesticide record will be as complete as possible. However, these sections have no effect on the risk indexes; they only serve for the pesticide record. It is the required fields (indicated by an *) that are used to calculate the ERI and HRI values.

11. Save the data immediately after entering it to avoid losing it.

Comment: All the entered data can be viewed and printed using the "<u>View and Edit Entered Data"</u> option (*Page 18*) on the QPRI *Express* home page. To monitor risk by field, crop, or entire farm, select "<u>Compilation and Report</u>s" (*Page 9*) on the home page.

3. Batch Data Entry

This section enables you to make multiple entries at once. Risk indexes for a single product cannot be viewed in this part of the software application. To do so, see Section 2 of this guide.

Farm business : Apple - orchardist Apple - orchardist * Treatment information Treatment date : 15 MAY 2009 (dd/mm/yyyy) * Application technique : Air Bl. Spr high or lateral directed spray - ABS-HL * Type of pesticide : fongicide * Commercial product : SUPRA CAPTAN 80 WDG - 24613 Formulation type : WG Rate (/ha) : 3750 g/ha * Formulation type : WG	BATCH DATA ENTRY General information	(*: Required information)		
Treatment information Treatment date : Application technique : Air Bl. Spr high or lateral directed spray - ABS-HL * Type of pesticide : Commercial product : Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	► Farm business :	opple - orchardist	*	New farm busir
Treatment date : 15 MAY w 2009 (dd/mm/yyyy) * Application technique : Air Bl. Spr high or lateral directed spray - ABS-HL w * Type of pesticide : fongicide * Commercial product : SUPRA CAPTAN 80 WDG - 24613 Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	Treatment information			
Application technique : Air Bl. Spr high or lateral directed spray - ABS-HL Type of pesticide : fongicide Commercial product : SUPRA CAPTAN 80 WDG - 24613 Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	Treatment date :	15 MAY 🖌 2009	(dd/mm/yyyy) *	
Type of pesticide : fongicide Commercial product : SUPRA CAPTAN 80 WDG - 24613 Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	Application technique :	Air Bl. Spr high or latera	al directed spray - ABS-HL 💌	*
Commercial product : SUPRA CAPTAN 80 WDG - 24613 Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	Type of pesticide :	fongicide	1	Add a pr
Rate (/ha) : 3750 g/ha * Formulation type : WG Active ingredient(s) : captane Chemical family(ies) : Phtalimide	Commercial product :	SUPRA CAPTAN 80 WD	G - 24613	
Resitance group(s) :M	Rate (/ha) :	3750 g/ha *	Formulation type : WG Active ingredient(s) : cap Chemical family(ies) : Pht Resitance group(s) :M	alimide
Treatment period : at flowering	Treatment period :	at flowering		
Targeted pest(s) : Apple Scab	Targeted pest(s) :	Apple Scab]	
Protection (Construction Decision)	conditions	(optional)		
Veather conditions (optional)	Control effectiveness	(optional)		

1. Select a farm business.

2. Select treatment date, application technique, type of pesticide, commercial product, and rate applied.

3. It is highly recommended that you enter data into the "Treatment Period" and "Targeted Pest" fields as well as those in the "Weather Conditions," "Control Effectiveness," and "Comments" sections so that the pesticide record will be as complete as possible. However, these sections have no effect on the risk indexes; they only serve for the pesticide record. It is the required fields (indicated by an *) that are used to calculate the ERI and HRI values.

N.B. To enter data in the latter three sections, click on the "+" icon.

4 a. Click on "Select Product."

	Treatment	information	1								
	Treatment d	late :	15	MAY 🗙 2009	(dd/mm	/уууу) *					
	Application	technique :	Air Bl.	Spr high or late	eral directed s	spray - ABS-HL 🔽	*				
	Type of pest	ticide :	fongici	de	*		1	Add a product			
C	Commercial	product :	- Selec	ct a registered co	nmercial pro	duct -	· · · · · · · · · · · · · · · · · · ·	*			
	Rate <mark>(</mark> /ha) :			*	Fo Ac Ch Re	rmulation type : ctive ingredient(s) : iemical family(ies) : esitance group(s) :					
	Treatment p	eriod :	- Selec	:t - 💌							
$\langle \rangle$	Targeted pe	st(s):		Land							
	⊞ Weather ⊞ Control e ⊞ Commen	conditions effectivenes nts (tank mix	(optional) s (optional) c amount, n	ozzles, pressure	, applicator	name) (optiona	al)				
	Selected products * 7										
/	Date	Туре		Product	Rate	Application tech.	Treatement period	Resistance			
4 b 🔶	15-05-2009	fongicide	SUPRA CAP	TAN 80 WDG - 2461	3750 g/ha	HL	at flowering	М	×		
	Treatment Fi	location *	?) Field area	Cro	otype	Area treated	PestRI-E /ha	PestRI-S /ha			
	New field	i			Calculated a	as a function of the ap	plied rate of the	selected produ	ucts.		

4b. The selected product and part of the entered data will be displayed in the "Selected Product" table. The previously completed fields inside the brackets will be reset so that another product can be entered by repeating steps **2** to **4a**.

The following is an example of a triple product entry.

			Select	product			
elected	products * 🖸	D			-		
Date	Туре	I	Product	Rate	Application tech.	Treatement period	Resistance group
15-05-2009	fongicide	SUPRA CAPT	TAN 80 WDG - 24613	3750 g/ha	HL	at flowering	М
30-05-2009	insecticide and acaricide	DECI	IS FL - 25573	200 mL/ha	HL	after flowering	3
17-06-2009	insecticide and acaricide	INTREP	ID 240F - 27786	750 mL/ha	HL	after flowering	18A
17-06-2009 reatment	insecticide and acaricide t location *	<u>INTREP</u> ? Field area	D 240F - 27786 Crop ty	750 mL/ha	HL Area treated	after flowering PestRI-E /ha	18A PestRI-S /ha
reatment F	insecticide and acaricide t location * field field -	<u>INTREP</u> 7 Field area	D 240F - 27786 Crop ty	750 mL/ha	HL Area treated	after flowering PestRI-E /ha	18A PestRI-S /ha

Date	Туре	Pi	roduct	Rate	Applicatio	n tech.	Treatement period	Resistanc group	e
15-05-2009	fongicide	SUPRA CAPTA	AN 80 WDG - 24613	3750 g/ha	HL		at flowering	М	2
30-05-2009	insecticide and acaricide	DECIS	FL - 25573	200 mL/ha	HL		after flowering	3	>
17 <mark>-06-200</mark> 9	insecticide and acaricide	INTREPID	240F - 27786	750 mL/ha	HL		after flowering	18A	>
Hon	eycrisp	1 ha	Apple	•	1	ha	258	436	
Honeycrisp		1 ha Apple		э	1	ha	258	436	1
	artan	1 ha	Apple	3	1	ha	258	436	2
Sp									
Sp Select a	field - 🗸 🗸								
Sp - Select a New fiel	field - 🗸 🗸			Calculated a	is a function (of the ap	oplied rate of the	selected pro	duc
Sp <mark>- Select a</mark> New fiel	field - 🗸 🗸			Calculated a	s a function o	of the ap	oplied rate of the	selected pro	dud
Sp Select a New fiel	field - V			Calculated a	s a function (of the ap	oplied rate of the	Save ent	dua r y
Sp - Select a New fiel	field - 🔪 🗸			Calculated a	s a function (of the ap	pplied rate of the	Save ent	duc ry

- 5. Select or add one or more fields in which all treatments were applied.
- 6. Click on "Save Entry."

IMPORTANT: When the above entry is saved, the three treatments (NOVA 40W, DECIS 5 EC and INTREPID 240F) are recorded for both selected fields (Honeycrisp and Spartan). The software will record 3 * 2 = 6 treatment records:

Product	Field
SUPRA CAPTAN WDG	Honeycrisp
SUPRA CAPTAN WDG	Spartan
DECIS FL	Honeycrisp
DECIS FL	Spartan
INTREPID 240F	Honeycrisp
INTREPID 240F	Spartan

See Section 4 of this guide if you make a mistake entering batch data.

3. Reports and Compilation

This section enables you to display risk compilations in table or graph form.

3.1 Compilation in table form

	REPORTS AND COMPILATION	
Table compilation		
Farm business :	Apple - orchardist	
Year :	2007 🕶	
	○ Global ← 3 → Octailed Field	~
	Bun	lacat
		10301
	T	
Graphic compilati	ion 5	
Type of graphic :	Field comparison	
	O Farm businesses comparison	
	Annual monitoring for a farm business	
	O Annual monitoring of farm businesses	
Farm business :	Apple - orchardist	
Year :	2007 🕶	
Field(s) :	All O Select Honeycrisp (Apple) Spartan (Apple)	

- **1.** Select a farm business.
- 2. Select year.
- **3.** Select "Detailed" or "Global." If you select "Global," advance to Step 5.
- **4.** Select "Field" or "Crop" depending on the type of compilation you want.
- 5. Click on "Run."

3.1.1 Example of a detailed compilation by field

When the ERI and HRI are related to the area cultivated, the QPRI generates risk indicators (PestRI-E/ha and PestRI-S/ha) by crop, field, or farm business. For example, for a given crop, the ERI and HRI for each product are multiplied by the area treated. The sum of the results divided by the crop area gives the PestRI-E and PestRI-S.

usiness : A	nula archardiat							
	009							
Field - Hone	overien (1 ha)	C	ron · Appl	_				
Data	Broduct	Amount	Pate Rate	Area	Application	Depistance	Draduct ria	k / ha
Date	Product	Amount	Rate	treated (ha)	tech	group	FDI	HP
2009-09-08	ALESTRO 80 DE	25 Ka	2500 a/ba	1	ABS HI	group	56	20
2009-08-26	ALSTRO BUDE	2,5 Kg	2500 g/ha	1	ABS-HL	M	56	38
\sim	\sim		2000 gilla	\checkmark		$\sim \sim$	$\sim \sim$	\sim
2000-01-00	DITTANE DO RAINOTILED NT	a,a ing	oovo yma		AUG-IIL	m		- 45
2009-04-26	DITHANE DG RAINSHIELD NT	5,9 Kg	5900 g/ha	1	ABS-HL	M	9	46
2009-04-22	DITHANE DG RAINSHIELD NT	5,9 Kg	5900 g/ha	1	ABS-HL	M	9	46
Field risk indica	ators / ha:	PestRI-E / h	a = 1646		PestRI-H / I	ha = 8573		
Risk calculated	l as a function of the applied ra	ite						
Field : Spa	rtan (1ha)	Сго	p: Apple					
Date	Product	Amount	Rate	Area	Application	Resistance	Product ris	k/ha
				treated (ha)	tech.	group	ERI	HF
2009-08-15	CAPTAN 80 WDG	1,8 Kg	1800 g/ha	1	ABS-HL	М	56	28
2009-08-01	CAPTAN 80 WDG	1,8 Kg	1800 g/ha	1	ABS-HL	М	56	28
2009-07-06	CAPTAN 80 WDG	2 Kg	2000 g/ha	1	ABS-HL	М	56	28
2009-06-24	CAPTAN 80 WDG	2,5 Kg	2500 g/ha	1	ABS-HL	М	56	38
		0.8 Kg	800 g/ha	1	ABS-HL	1	1	92
2009-06-07	SENATOR 70WP 1	0,0 Kg	000 9.114				289	36
2009-06-07 2009-06-03	SENATOR 70WP 1 GUTHION SOLUPAK	2 Kg	2000 g/ha	1	ABS-HL	18	205	
2009-06-07 2009-06-03 2009-06-03	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC	2 Kg 0,1 L	2000 g/ha 100 mL/ha	1	ABS-HL ABS-HL	1B 5	110	
2009-06-07 2009-06-03 2009-06-03 2009-05-31	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF	2 Kg 0,1 L 4 Kg	2000 g/ha 100 mL/ha 4000 g/ha	1 1 1	ABS-HL ABS-HL ABS-HL	1B 5 M	110 33	84
2009-06-07 2009-06-03 2009-06-03 2009-05-31 2009-05-28	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP	2 Kg 0,1 L 4 Kg 0,4 Kg	2000 g/ha 100 mL/ha 4000 g/ha 400 g/ha	1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 M 1	110 33 1	84 92
2009-06-07 2009-06-03 2009-06-03 2009-05-31 2009-05-28 2009-05-28	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg	2000 g/ha 100 mL/ha 4000 g/ha 4000 g/ha 4000 g/ha	1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 M 1 M	110 33 1 33	84 92 84
2009-06-07 2009-06-03 2009-06-03 2009-05-31 2009-05-28 2009-05-28 2009-05-24	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF POLYRAM DF	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg 5 Kg	2000 g/ha 100 mL/ha 4000 g/ha 4000 g/ha 4000 g/ha 5000 g/ha	1 1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 M 1 M M	110 33 1 33 33	84 92 84 84
2009-08-07 2009-08-03 2009-08-03 2009-05-31 2009-05-28 2009-05-28 2009-05-24 2009-05-20	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF POLYRAM DF POLYRAM DF	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg 5 Kg 4 Kg	2000 g/ha 100 mL/ha 4000 g/ha 400 g/ha 4000 g/ha 5000 g/ha 4000 g/ha	1 1 1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 M 1 M M	110 33 1 33 33 33 33	84 92 84 84
2009-08-07 2009-08-03 2009-08-03 2009-05-31 2009-05-28 2009-05-28 2009-05-24 2009-05-20 2009-05-15	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF POLYRAM DF POLYRAM DF RIPCORD 400 EC	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg 5 Kg 4 Kg 0,2 L	2000 g/ha 100 mL/ha 4000 g/ha 4000 g/ha 5000 g/ha 4000 g/ha 200 mL/ha	1 1 1 1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 1 M M 3	110 33 1 33 33 33 240	84 92 84 84 84
2009-08-07 2009-08-03 2009-08-03 2009-05-31 2009-05-28 2009-05-28 2009-05-24 2009-05-20 2009-05-15 2009-05-15	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF POLYRAM DF POLYRAM DF RIPCORD 400 EC AGRI-MEK 1,9% EC	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg 5 Kg 4 Kg 0,2 L 0,38 L	2000 g/ha 100 mL/ha 4000 g/ha 4000 g/ha 5000 g/ha 4000 g/ha 200 mL/ha 380 mL/ha	1 1 1 1 1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 M 1 M 3 3 6	110 33 1 33 33 33 240 121	84 92 84 84 13 5
2009-06-07 2009-06-03 2009-06-03 2009-05-31 2009-05-28 2009-05-28 2009-05-24 2009-05-20 2009-05-15 2009-05-15 2009-05-12	SENATOR 70WP 1 GUTHION SOLUPAK SUCCESS 480 SC POLYRAM DF SENATOR 70WP POLYRAM DF POLYRAM DF POLYRAM DF RIPCORD 400 EC AGRI-MEK 1,9% EC POLYRAM DF	2 Kg 0,1 L 4 Kg 0,4 Kg 4 Kg 5 Kg 4 Kg 0,2 L 0,38 L 4 Kg	2000 g/ha 100 mL/ha 4000 g/ha 4000 g/ha 5000 g/ha 4000 g/ha 200 mL/ha 380 mL/ha 4000 g/ha	1 1 1 1 1 1 1 1 1 1	ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL ABS-HL	1B 5 1 1 1 1 3 3 6 5	110 33 1 33 33 33 240 121 33	84 92 84 84 13 5 84

Here the PestRI-E/ha and PestRI-S/ha indicators represent the total risk for each field in the selected year. They express the risk per hectare as a function of the area treated—one application of the same product on 10 hectares will affect the indicator less than if applied on 20 hectares.

3.1.2 Example of a detailed compilation by crop (2 crops)

Risk indexes and pesticide record

Farm business : Year : 2008

Crop type	: Strawberr	ry	Crop area :	11 ha				
Date	Field	Product	Amount	Rate	Area	Application	Product	risk / ha
					treated (ha)	tech.	ERI	HR
2007-05-22	orléans	BRAVO 500	21 L	3500 mL/ha	6	HBS	12	551
2007-05-18	orléans	EQUAL 65 WP	13,5 Kg	2250 g/ha	6	HBS	20	198
2007-05-18	orléans	CABRIO EG	6 Kg	1000 g/ha	6	HBS	81	60
2007-05-18	orléans	SENATOR 70WP	6,6 Kg	1100 g/ha	6	HBS	1	691
2007-05-18	orléans	WARRIOR	0,624 L	104 mL/ha	6	HBS	81	72
2007-05-18	orléans	WARRIOR	0,624 L	104 mL/ha	6	HBS	81	72
2007-05-18	orléans	ALIETTE WDG	33,6 Kg	5600 g/ha	6	HBS	1	68
2007-05-18	orléans	KELTHANE 50 W	21 Kg	3500 g/ha	6	HBS	100	490
2007-08-05	Veestar	THIODAN 50 WP	10 Kg	2000 g/ha	5	HBS	298	684
2007-06-05	Veestar	THIODAN 50 WP	10 Kg	2000 g/ha	5	HBS	298	684
2007-06-05	Veestar	NOVA 40 W	1,7 Kg	340 g/ha	5	HBS	36	86
2007-06-05	Veestar	NOVA 40 W	1,7 Kg	340 g/ha	5	HBS	36	86
2007-08-05	Veestar	NOVA 40 W	1,7 Kg	340 g/ha	5	HBS	36	86
2007-06-05	Veestar	AGRI-MEK 1,9% EC	5 L	1000 mL/ha	5	HBS	100	43
2007-06-05	Veestar	THIODAN 50 WP	10 Kg	2000 g/ha	5	HBS	298	684
2007-05-28	Veestar	BRAVO 500	17,5 L	3500 mL/ha	5	HBS	12	551
2007-05-18	Veestar	BRAVO 500	17,5 L	3500 mL/ha	5	HBS	12	551
Field risk indic	cators / ha		PestRI-E / ha	717	PestRI-H / h	a = 2772		
Risk calculate	d as a functio	n of the applied rate.						
int deve v	the second second			\bigcirc		\cup		
Crop type	: Apple		Crop are	a: 2 ha				
Date	Field	Product	Amount	Rate	Area	Application	Product	risk / ha
					treated (ha)	tech.	ERI	HR
2009-09-06	Honeycrisp	MAESTRO 80 DF	2.5 Kg	2500 g/ha	1	ABS-HL	56	384
2009-08-26	Honeycrisp	MAESTRO 80 DF	2.5 Kg	2500 g/ha	1	ABS-HL	56	384
2009-08-21	Honeycrisp	IMIDAN 50 WP INSTAPAK	4 Kg	4000 g/ha	1	ABS-HL	169	518
2009-08-12	Honeycrisp	MAESTRO 80 DF	2,5 Kg	2500 g/ha	1	ABS-HL	56	384
A19.002	Manga		~~~~	25 aller	$\sim \sim$	ARCHI	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\checkmark
2009-05-12	Spartan	POLYRAM DF	4 Ka	4000 o/ha	1	ABS-HL	33	846
2009-05-09	Spartan	SUPERIOR OIL	16 L	16000 mL/ha	1	ABS HL	110	135
Field risk india	cators / ha		PestRI-E / I	ha = 1454	PestRI-H / h	a 8298	1007	
Risk calculate	ed as a functio	n of the applied rate.						

Here the PestRI-E/ha and PestRI-S/ha indicators are calculated over one year for two different crops (strawberry and apple) in order to compare risk between crops on the same farm.

Risk indicators for two strawberry fields (Orléans and Veestar) are displayed here. The following will help you understand how risk is calculated for a crop:

PestRI-E for the Orléans field = 377 * 6 ha = 2,262 +PestRI-E for the Veestar field = 1,126 * 5 ha = 5,6307,892

The total, 7,892, is then divided by 11 ha to obtain a PestRI-E/ha of 717.

This procedure is identical to that used to calculate the crop PestRI-S.

3.1.3 Global portrait of one farm business over two years

Risk indexes and pesticide record



Farm business : Apple - orchardist

Crop area : 2 ha Nb. of applications 2	Amount used
Nb. of applications 2	Amount used
2	
	1,23 L
2	4,25 kg
2	0,45 L
2	8 kg
1	0,1 L
2	46 L
5	15 kg
1	0,2 kg
5	29,5 kg
1	1,5 L
1	2,125 kg
5	21 kg
4	8,1 kg
1	0,8 kg
2	0,38 kg
4	20,4 kg
1	0,4 kg
PestRI-E / ha : 1453	PestRI-H / ha : 8298
Pressure index : 63,68 kg / ha	~
PestRI-E / ha 1453 Pressure index:63.54 kg / ha	PestRI-H / ha : 8298
	•
	2 2 2 1 2 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5

	Year: 2008	
Crop : Apple	Crop area : 2 ha	
Product	Nb. of applications	Amount used
GUTHION SC	2	2,7 L
CABRIO EG	1	1,5 kg
CAPTAN 80 WP INSTAPAK	13	39 kg
RIPCORD 400 EC	1	0,285 L
DECIS 5 CE	1	0,25 L
IMIDAN 50 WP INSTAPAK	5	15,7 kg
NEXTER	1	0,3 kg
SUCCESS 480 SC	1	0,2 L
KOCIDE DF	3	11,8 kg
BIOPROTEC CAF	1	3 L
SUPERIOR OIL	2	90 L
ASSAIL 70 WP	1	0,097 kg
MAESTRO 80 DF	7	22,125 kg
SEVIN XLR	2	2,5 L
POLYRAM DF	6	31,9 kg
NOVA 40 W	2	0,44 kg
FLINT 50 WG	2	0,35 kg
DITHANE WSP 80%	4	23,6 kg
ABOUND FL	1	3 L
Crop risk indicators / ha (Apple)	PestRI-E / ha : 2335	PestRI-H / ha : 9792
Crop Pressure index /ha (Apple)	Pressure index: 100,57 kg / ha	
	\frown	\cap
Farm business risk indicators / ha	PestRI-E / ha 2335	PestRI-H / ha : 9792
Farm business pressure index / ha	Pressure index: 100.07 kg / ha	\sim
Risk calculated as a function of the applied rate/font>	>	

A global compilation summarizes risk indicators (PestRI-E and PestRI-S) over several years and/or several farms, resulting in a shorter table.

Pressure indexes (amount of active ingredient applied per hectare) help explain the level of risk. Risk is affected both by the amounts applied and by how hazardous the product is. The pressure index can give you an idea whether it is the products or the amounts used that contribute the most to the risk level.

To summarize, the ERI and HRI risk indexes help you choose the least hazardous pesticides, while the PestRI-E and PestRI-S risk indicators allow you to analyze the change in pesticide risk in relation to the scale of pesticide use.

_ _ _ _ _ _ _ _ _ _ .

PestRI-E/ha and PestRI-S/ha represent the total risk for the farm in a given year. These indicators express risk as a function of the area treated—treatments applied to larger areas contribute more to the PestRI-E/ha and PestRI-S/ha indicators.

_ _ _ _ _ _ _ _ _ _ _

3.2 Graphical compilation

	REPORTS AN	D COMPILATION	
Table com <mark>pilatio</mark> n			
Farm business :	Apple - orchardist	~	
Year :	2007 💌		
	O Global		Detailed
			Run
Graphic compilati	on		
Type of graphic :	Field comparison		
71 3 1	 Farm businesses compariso 	n	
	Annual monitoring for a farm	business	
	Annual monitoring of farm but	Isinesses	
	S		
Farm business :	Apple - orchardist		
Farm business : Year :	Apple - orchardist		
Farm business : Year : Field(s) :	Apple - orchardist	oneycrisp (Apple)	Spartan (Apple
Farm business : Year : Field(s) :	Apple - orchardist	oneycrisp (Apple)	Spartan (Apple

1. Select a type of graph:
a) "Field Comparison," for a portrait of the risk in various fields of the same farm business.
b) "Farm Businesses Comparison," for a graphical portrait of the risk of the farm businesses in your account.
c) "Annual Monitoring of a Farm Business," for a graphical representation of the risk for a single farm business over several year
d) "Annual Monitoring of Farm Businesses," for a graphical representation of the risk of a number of farm businesses over several years

2. Select a farm business if you've chosen the "Field Comparison" or "Annual Monitoring of Farm Businesses" options.

3. Select a year if you've chosen the "Field Comparison" or "Farm Businesses Comparison" options.

4. Click on "All," to obtain all fields, farm businesses, or crops, or on "Select" to choose particular fields, farm businesses, or crops.

5. Click on "Run."

3.2.1 Example of a field comparison

Field comparisons allow you to compare levels of risk in various fields for the same farm business. If you have a number of crops per farm business, the risk levels in all fields and crops are displayed and are then broken down by crop (see the following example for one crop).



1. This side of the graph displays the scale for the PestRI-Environment (PestRI-E) and PestRI-Health (PestRI-S) indicators, represented by the bars.

2. This side of the graph displays the scale for the pressure index, represented by the yellow dot.

3.2.2 Example of a farm businesses comparison

Farm businesses comparisons allow you to compare risk levels between the various farm businesses in your account for a particular year. If you have a number of crops per farm business, the risk for all crops and farm businesses is displayed and then broken down by crop (see the following example for one crop).



^{1.} This side of the graph displays the scale for the PestRI-Environment (PestRI-E) and PestRI-Health (PestRI-S) indicators, represented in bar form.

2. This side of the graph displays the scale for the pressure index, represented by the yellow dot.



3.2.3 Example of annual risk monitoring of a farm business

Annual risk monitoring of a farm business enables you to follow the evolution of risk to health and the environment from year to year for a single farm business.

The pressure index helps explain how the amounts applied affect the level of risk. For example, decreasing the amounts not necessarily does diminish the risk. In 2008 the amounts applied dropped but the risk to the environment rose.

If a number of crops are entered for the same farm business, a separate annual risk assessment will be displayed for each crop as well as an overall portrait for the entire farm business.



3.2.4 Example of annual risk monitoring of a number of farm businesses

Annual risk monitoring of a number of farm businesses also allows you to follow the evolution of health and environmental risk from year to year.

This type of compilation only takes into account the overall risk for each farm business and cannot be broken down by crop. For information on how to compile risks by crop, see the graphical compilation of annual monitoring of a farm business (3.2.3, page 16)

Note that the "all farm businesses" curve represents an average of the risk and the pressure index for all the farm businesses in your account. It enables you to compare one business with all the businesses together.

To display this type of compilation more clearly, select only a few farm businesses at a time to avoid overlapping curves.

4. Viewing and Editing Entered Data



- **1.** Select search criteria to find the records you want to view, edit, or delete.
- **2.** Click on "Find" to launch the search.
- **3.** To delete a batch data entry, select the farm business and batch entry you want to delete.
- 4. Click on "Delete Data Entry Records" to delete all the records in the batch data entry.

4.1 Example of how to view, edit, or delete a record

VIEW AND EDIT		\			-
→ 	Edit record	Delete record	Print reco	ord	
1 of 351 forms found					
General information					Back to previous m
Farm husiness		Annle - orchardis	1		-
Field	,	Honevcrisp			
Area of cultivated field (h	a):	1			
Crop type :	u).	Apple			
Treatment information	, l				
Treatment date : 2009-09-06					
Application technique :	Air Bl. Spr high or lateral		directed spray	- ABS-HL	
Type of pesticide :	fongicide				
Commercial product :	MAESTRO 80 DF		Formulation type	: WG	
			Active ingredien Chemical family(t(s): captane	
Area treated (ha) :	1		Resistance grou	ip(s): M	
Amount applied	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				
(Commercial product) :	2,5 kg				
Rate :	2500 g/ha				
Treatment period :	not specifi	ed			
lageted pest(s) :					
Product risk / ha :	ERI : 56		HRI : 384		
Calculated as a function of the	applied rate	of 2500 g/ha.			
Weather conditions					
To -					
Wind speed					
Time of day :					
Control effectiveness					

1. These buttons allow you to toggle between the records provided by the search.

2. These buttons allow you to edit, delete, or print the record.

arm business : ield : .rea of cultivated field (ha rop type :	a) :	Apple - orc Honeycrisp	hardist	*		
ield : .rea of cultivated field (ha rop type :	a) :	Honeycrisp)	*		
rea of cultivated field (ha	a) :	1 *				
rop type :	-/-					
Crop type :		Apple			*	
reatment information						
reatment date :	6 SEP	2009	(dd/mm/y	yyy) *		
pplication technique :	Air Bl. Spr	high or latera	al directed s	pray - AE	3S-HL ▼ *	
ype of pesticide :	Select		~			Add proc
ommercial product :	MAESTRO	80 DF - 2640	В		~	Q *
.rea treated (ha) :	1	*			Formulation type : WG Active ingredient(s) : cap	otane
ate or amount applied :	Rate 2500	g/ha <mark>ou</mark>	Amount 2,5	kg *	Chemical family(ies) : Pht Resitance group(s) : M	alimide
reatment period :	not specified	t 🔽				
argeted pest(s) :						
roduct risk / ha :	ERI : 56				HRI : 384	
alculated as a function of the	applied rate of 2	2500 g/ha				Save treatm
leather conditions	Select	~				
P :						
/ind speed :	Select	Albe			•	
me of day :	Select	~				
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1. If you edit and save the name of a farm business, all the records for that farm business will display the new name.

2. If you edit and save the name of a field or the crop typed, all the records from **that year** will be changed. If you edit and save the area of cultivated field, you have to change all records of the field for that year because the amount sprayed will not be changed.

3. All entered data in these fields can be edited. The changes will be applied only to the selected record and will in no way affect other records.

4. Click here to save your changes.

QPRI methodology document

Download it at:

http://www.inspq.qc.ca/pdf/publications/750 IRPeQ anglaisHauteRes.pdf

Registered Pesticides

For a list of **registered pesticides** for the selected crop and target pest(s), visit the following websites:

SAgE pesticides www.sagepesticides.qc.ca

Pest Management Regulatory Agency http://www.hc-sc.gc.ca/cps-spc/pest/index-eng.php

Contact us if you have any questions about QPRI Express V for the agricultural sector

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