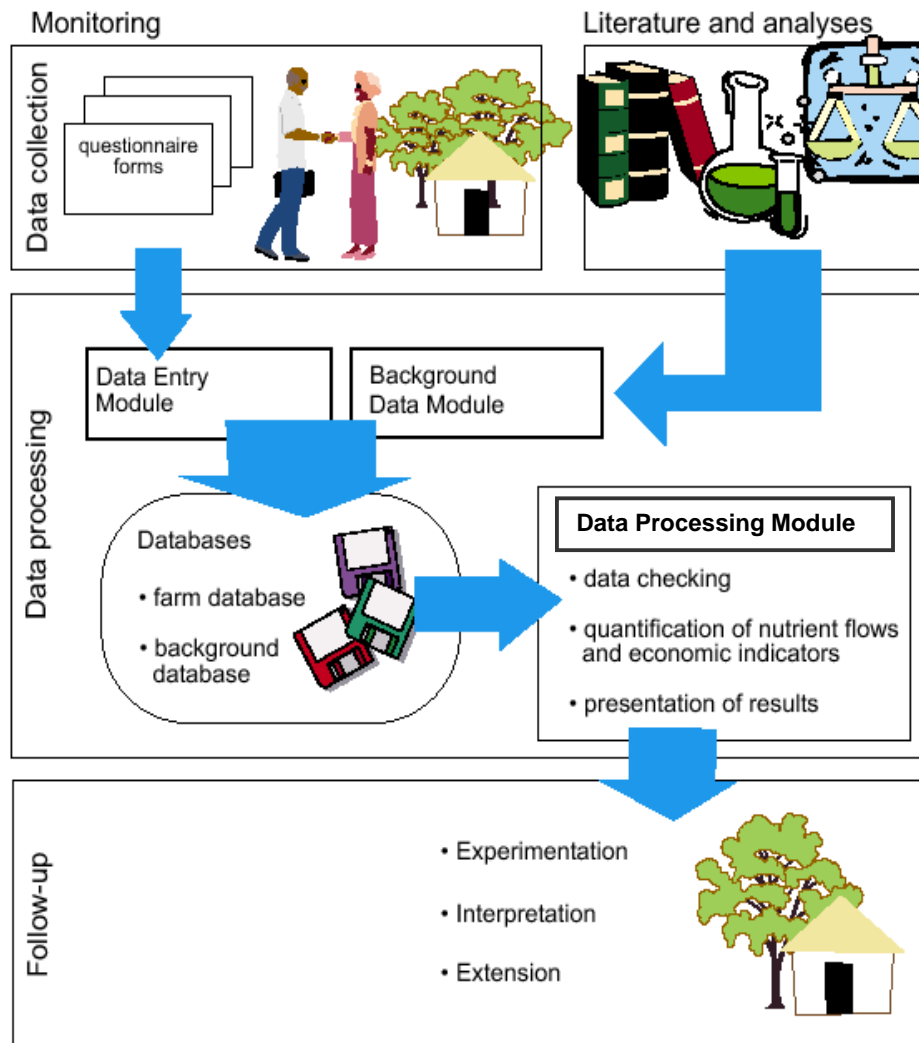

Application of MonQI in SUPHORT project

MonQI in steps



Questionnaire

Forms for crop input/output monitoring (1)

Input / Output per Land use Activity (one copy of this form for every Water Melon activity)

Farm ID: LA #: LA Description :

Inputs (ordered by date)

Always enter							Only for pesticides			Options
Date	Lump code <small>(optional)</small>	Source	Product	Quantity	Measure	Price per measure [VND]	Responsible person [HHM#]	Appl. meth.	Dilution [liter water]	Remarks

Forms for crop input/output monitoring (2)

Date	Lump	Source	Product	Quantity	Measure	Price	[HHM#]	Appl. meth.	Dilution	Remarks

Outputs



Always enter								
Date	Destination	Product (incl. class)	Quantity	Measure	Price per measure [VND]	LOT NR.	Remarks	

Data processing

MonQI main screen

MonQI 0.52 (build 1) [User status: Administrator]

File View Tools Help

MonQI-P : Pesticides

Select databases

Background database: D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\BGDB_updated ai.071129 ...

Farm database: D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\FDB_VN.061123.mdb

AI database: D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\aidb_primet_monqi.mdb

Backup Database Management

Login PIN logged in as: Administrator

Developed by

MonQI v. 0.52 (build 1) file size: 2.08MB 2006

envista consultants

WAGENINGEN UR For quality of life

Status info

Project: ProjectName

Farm database (AE)
file : D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\FDB_VN.061123.mdb
Last update: 08 January 2008 at 17:41 hrs.
No. of AEs: 41
No. of flows: 2091 total

Background database
file : D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\BGDB_updated ai.071129.mdb
Last update: 06 January 2008 at 15:37 hrs.

Active Ingredient database
file :D:\Tools\Monqi\database\vietnam\080106 update van v061123 Joost\aidb_primet_monqi.mdb
Last update: 30 November 2007 at 00:05 hrs.

Localization settings
Currency string: S
Country code: VN
Data presented in: Local language
Font used: Trebuchet MS 10pt

Farm database: "FDB_VN.061123.mdb" Background database: "BGDB_updated ai.071129.mdb" Active Ingredient database: "aidb_pri

Data-entry

MonQI 0.52 (build 1) [User status: Administrator]

File View Tools Help

Data Entry Module [VTB01]

Location: T@y Ninh (TN)

- T@n Bi^n (TB)
 - H@p Hi@p (HH)
 - T@n B@nh (TBINH)
 - T@n Thanh (TT2)
 - T@n Th'nh (TT1)
 - Th'nh T@y (TTAY)
 - Th'nh Trung (TT3)

Questionnaire Forms: VT B01

Check: All flows

Input/Output per Unit

Activity: LA 1: D-a kh@ng h't khu d@n sinh

Drag a column header here to group by that column

Time (per)	Source	Product	Qt	Measure	@	Price	@Tot	Tag
18/03/06	EXT 0: exte FM	Nitrophoska	125	kilogram		10,000	1,250,00	
A 18/03/06	EXT 0: exte PE	Furadan	20	kilogram		12,000	240,000	
18/03/06	EXT 0: exte OP	B't ph@	2000	meter2		825	1,650,00	
A 28/03/06	EXT 0: exte PE	Trigard	100	ml		850	85,000	
30/05/06	EXT 0: exte LS	Thu@ c@ng b@u g@	14	c@ng		35,000	490,000	
15 (th,ng 3	EXT 0: exte OP	D@u t-i	80	liter		8,500	680,000	
06/04/06	EXT 0: exte FM	Growell	200	kilogram		5,500	1,100,00	
06/04/06	EXT 0: exte FM	Nitrophoska	100	kilogram		10,000	1,000,00	
06/04/06	EXT 0: exte LS	Thu@ c@ng b@n ph@n	4	c@ng		50,000	200,000	
07/04/06	EXT 0: exte FM	Canxi	50	kilogram		7,000	350,000	
07/04/06	EXT 0: exte FM	5G Anomix	5	kilogram		15,000	75,000	
07/04/06	EXT 0: exte FM	NPK	30	kilogram		10,000	300,000	
08/04/06	EXT 0: exte LS	Thu@ c@ng ohim d@y	12	c@ng		35,000	420,000	

Additional Q'tions

Settings

Enter for period:

01 (th,ng 1 'C)

03 (th,ng 3 'C)

Check 64 record(s)

Check 3 record(s)

Farm database: "FDB_VN.061123.mdb" Background database: "BGDB_updated ai.071129.mdb" Active Ingredient database: "aidb_pri

Processing

MonQI 0.52 (build 1) [User status: Administrator]

File View Tools Help

Data Processing Module

Process View and export

Finished runs: 0/0 runs

Export Tables

AE data BG data View Export

METADATA
AE
UNITLIST
LU
HA
HHM
HHM_DETAIL
LA
LA_DETAIL
AA
RA
OA
SA
ASSET
ASSET_DETAIL
FLOW_ALL
FLOW_LA
AQ
AE_AQ
FLOW_PESTICIDE
FLOW_PESTICIDE_A

LA: Information per Land use Activity (cropping unit). (74 fields x 5 records)

Field info: click in table to get field info

Drag a column header here to group by that column

RI	MNTHR	MNTHLA	DTPLNTNG	DTHARVST	GM	NCF	GV	VC	GV_OT
3	15	17	21/03/2006	22/05/2006	-£23,692,00	-£22,467,00	£13,240,00	£36,932,00	£0.00
3	13	15	19/01/2006	05/03/2006	£16,341,00	£16,706,00	£41,250,00	£24,909,00	£0.00
4	13	16	25/01/2006	07/04/2006	£124,872,80	£125,317,80	£183,977,00	£59,104,20	£0.00
2	13	14	24/01/2006	22/03/2006	£19,763,70	£21,513,70	£41,034,00	£21,270,30	£0.00
4	13	16	27/01/2006	10/04/2006	-£13,739,18	-£12,239,18	£35,900,00	£49,639,18	£0.00

all none

Ready: 5 AE(s) completed! Farm database: "FDB_VN.061123.mdb" Background database: "BGDB_updated ai.071129.mdb" Active Ingredient database: "aidb_pri"

Reporting

Farm specific report: producer (1)

SUPHort Report 1 : Producer

1 General information

Farm:	TBHS01: NguyOn V'n Det
LA:	7: "Happy Sweet"
Area:	4,000 m ²
	Planting - harvest: 06/01/2007 - 15/03/2007 (68 days)
ID	= 2,700

2 Financial

Table 1 : Summary Net Cash Flow and Gross Margin

Cash Expenses	20,895,504	VND
Cash Receipts	12,422,000	VND
Net Cash Flow	-8,473,504	VND
Net Cash Flow/mo	-21,183,760	VND/mo
Net Cash Flow/labor day	-14,115	VND/day
Cost price	5,516	VND/kg

Note: 1 mo = 10,000 m²

Table 2 : Input costs; specification of cash expenses (as in table 1)

Type/name	Quantity	Unit	Price per unit	Cash expense	
Seed					
"Happy Sweet" seed	0.19	kg	25,000,000	4,800,000	
			total	4,800,000	23%
Pesticides					
Actara	0.05	kg	4,000,000	192,000	
Basudin	10.00	kg	15,000	150,000	
Karate 2.5EC	0.28	kg	140,000	39,200	
Match 050EC	0.06	kg	640,000	38,400	
Pegasus 500 SC	0.24	kg	1,200,000	288,000	
Polytrin	0.26	kg	300,000	78,000	
Ridomil gold	0.70	kg	210,000	147,000	
Score	0.05	kg	760,000	38,000	
Selecron 500 EC	0.10	kg	200,000	20,000	
Trigard	0.04	kg	1,200,000	48,000	
			total	1,038,600	5%
Fertilizer					
	Mineral + Organic				
Ash	6.00	kg	75,000	450,000	
Calcium	15.00	kg	7,000	105,000	
Growell	240.00	kg	5,000	1,200,000	
Kali	20.00	kg	10,000	200,000	
Lime	200.00	kg	800	160,000	
NPK20/20/15	450.00	kg	5,800	2,610,000	
Phosphate	200.00	kg	1,400	280,000	
			total	4,845,000	23%
Labor					
	Labor, traction,				

- 1 -

SUPHort Report 1 : Producer

	transport				
HL fertilization	2.62	*	48,000	126,000	
HL planting labour (all crop)	1.50	*	1,500,000	2,250,000	
HL planting preparation labour	55.50	*	47,423	2,632,000	
HL plough cow	2.00	*	200,000	400,000	
HL plough machine	14,000.00	*	30	420,000	
HL soil preparation	3.50	*	48,000	168,000	
HL sowing/planting	5.75	*	48,000	276,000	
			total	6,272,000	30%
Others					
Bamboo stick	0.40	**	300,000	120,000	
Hired field	4,000.00	**	200	800,000	
Lime	200.00	**	800	160,000	
maintenance, repair fee	1.00	**	1,000,000	1,000,000	
Petrol	60.00	**	9,000	540,000	
Plastic cover	1,440.00	**	917	1,319,904	
			total	3,939,904	19%
Total				20,895,504	100%

* : person-day or m²

** : kg or m³

the combination of Quantity and Unit might not represent the information as stored in the database. This is due to the use of different units of measurement for certain products which is especially the case in the 'Labor' and 'Others' categories. Column "Cash Expenses", however, represents the correct total costs (quantity x price per measure).

Table 3 : Receipts for outputs

Type/name	Quantity	Unit	Sold to	Price per unit	Cash receipts
Harvested product					
Watermelon "Happy Sweet" - Class 1	2,423	kg	Metro	4,000	9,692,000
Watermelon "Happy Sweet" - Class 2	1,365	kg	Local	2,000	2,730,000
Total					12,422,000

- 2 -

Farm specific report: producer (2)

SUPHort Report 1 : Producer

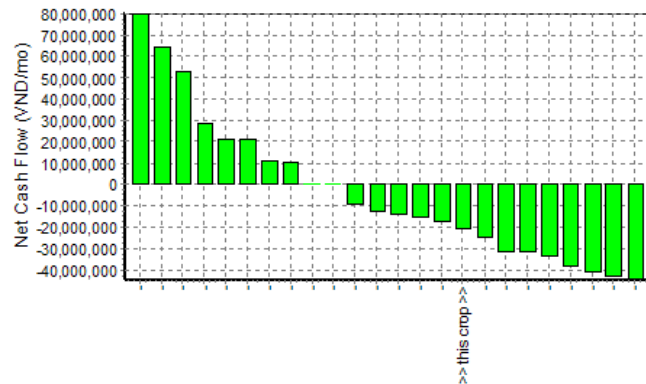


Figure 1 : Net Cash Flow of this crop compared to other farmers with "Happy Sweet"

3 Yield per quality class

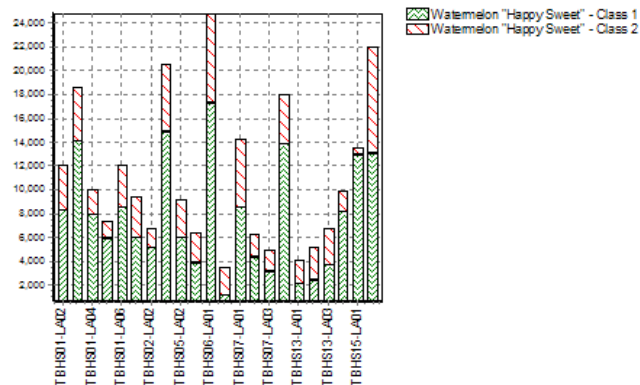


Figure 2 : Yield per quality class per hectare compared to other farmers with "Happy Sweet"

SUPHort Report 1 : Producer

Table 4: Types of active Ingredients used

Active ingredient	Legal	Part of protocol	WHO class	Risk for groundwater	Risk for surface water
Cypermethrin	yes	yes	ooo . . .	o	?
cyromazine	yes	yes	o	ooo . . .	ooooo
Diafenthiuron	yes	no	o	?	?
Diazinon	yes	no	ooo . . .	oo	?
difenoconazole	yes	yes	oo	o	ooooo
lambda-cyhalothrin	yes	yes	ooo . . .	o	?
Lufenuron	yes	yes	?	o	?
mancozeb	yes	yes	o	o	?
metalaxyl-m	yes	yes	oo	oo	ooooo
Profenofos	yes	yes	ooo . . .	o	?
Thiamethoxam	yes	yes	oo	?	oooo .

legend

WHO class	Risk for ground water	Risk for surface water
o	U Unlikely	x n.a.
oo	III	o Extremely low
ooo	II	oo Low
oooo	Ib	ooo Moderate
ooooo	Ia	oooo High
FM	FM Fumigant	ooooo Very high
Ob	O Obsolete	ooooo Very highly toxic

Farm specific report: extension

SUPHort Report 2 : Extension and farmer support

Table 3 : Summary Net Cash Flow and Gross Margin

Cash Expenses	33,781,400	VND
Cash Receipts	22,071,000	VND
Net Cash Flow	-11,710,400	VND
Net Cash Flow/mo	-15,613,867	VND/mo
Net Cash Flow/labor day	-1,857	VND/day
Variable costs	33,781,400	VND
Gross Value	22,071,000	VND
Gross Margin	-11,710,400	VND
Gross Margin/mo	-15,613,867	VND/mo
Gross Margin/labor day	-1,857	VND/day
Cost price	5,621	VND/kg

Note: 1 mo = 10,000 m²

- Other products - cropping aids
- Crop Products - seed / seeding
- Fertilizer/Manure - inorganic
- Labor/Services - hired labor
- Other



Figure 1 : Cash expenses per category (categories < 5% are lumped as "Others")

- 3 -

SUPHort Report 2 : Extension and farmer support

Chapter 2 : Pesticide use

Table 4 : Use of active Ingredients

Active ingredient	Legal	Part of protocol	WHO class	Leachability (GUS)	Aquatic toxicity index
abamectin	yes	yes	not found	Extremely low	undefined
Cypermethrin	yes	yes	II	Extremely low	undefined
cyromazine	yes	yes	U	Moderate	Very highly tox
Diafenthiuron	yes	no	U	undefined	undefined
difenoconazole	yes	yes	III	Extremely low	Very highly tox
lambda-cyhalothrin	yes	yes	II	Extremely low	undefined
Lufenuron	yes	yes	not found	Extremely low	undefined
mancozeb	yes	yes	U	Extremely low	undefined
metalaxyl-m	yes	yes	III	Low	Very highly tox
paraquat	yes	yes	II	Extremely low	undefined
Profenofos	yes	yes	II	Extremely low	undefined
Thiamethoxam	yes	yes	III	undefined	Highly toxic

Legend

WHO class	U	Unlikely
0	U	Unlikely
00	III	
000	II	
0000	Ib	
00000	Ia	
FK	FN	Fungicid
Ob	O	Obsolete

n.a : information not available/not applicable

Table 5 : Compliance to SUPHort CFP Protocol for "Happy Sweet"

Active ingredient	No. of applications	Total dose (g/ha)	Part of protocol (y/n)	No. of applications outside designated window	Max dose exceeded?	Max dose per application exceeded (no. of applications)	Max no. of applications exceeded? (no. of applications)
abamectin	1	0.0	yes	0	-	0	0
Cypermethrin	1	3.3	yes	1	-	0	0
cyromazine	1	33.3	yes	0	-	0	0
Diafenthiuron	2	1.3	no	-	-	-	-
difenoconazole	2	33.3	yes	2	-	0	0
lambda-cyhalothrin	2	16.7	yes	1	-	0	0
Lufenuron	2	0.3	yes	1	-	0	0
mancozeb	8	1,024.0	yes	8	-	0	2
metalaxyl-m	8	84.0	yes	8	-	0	2
paraquat	1	333.3	yes	1	-	X	1
Profenofos	2	133.0	yes	2	-	0	0
Thiamethoxam	3	8.7	yes	2	-	0	0

- 4 -

Farm specific report: buyer

SUPHort Report 3: Buyer

1 General information

Farm:	TBHS01: Nguyễn Văn Dật
LA:	2: "Happy Sweet"
Area:	Area: 4000 m ² Planting - harvest: 18/12/2006 - 30/01/2007 (43 days)

2 Compliance to SUPHort CPP Protocol for "Happy Sweet"

Active ingredient	No. of applications	Total dose (g/ha)	Part of protocol (y/n)	No. of applications outside designated window	Max dose exceeded?	Max dose per application exceeded (no. of applications)	Max no. of applications exceeded? (no. of applications)
Diafenthiuron	4	5	No	-	-	-	-
Diazinon	1	6250	No	-	-	-	-
difenoconazole	1	31	yes	1	no	0	0
lambda-cyhalothrin	3	47	yes	2	no	0	0
Lufenuron	3	0	yes	0	no	0	0
mancozeb	4	960	yes	4	no	0	0
metalaxyl-m	4	60	yes	4	no	0	0
Profenofos	1	125	yes	0	no	0	0
Thiamethoxam	2	8	yes	0	no	0	0

3 Compliance to Pre Harvest Interval

Date	Days After Planting	Formulation	Active Ingredients	Pre Harvest Interval (days)	Was PHI violated?

Note: Includes only those formulations for which PHI has been registered!