

Traceability Case study – La dolce Fattoria

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Definition of Traceability

Traceability is defined by Regulation (EC) 178/2002 – article 18, as 'the ability to trace and follow a food, feed, food-producing animal or substance intended to be, or expected to be incorporated into a food or feed, through all stages of production, processing and distribution'.

We follow now what happens in a particular Italian Dairy Farm that produces different kinds of delicious cheeses from farmhouse milk









Traceability (also called "external" traceability)

Internal traceability

Traceability (= external traceability)

It consist in keeping the information: one step back: of the origin of all ingredients one step forward: of the recipients of the products made

Traceability is mandatory

It allows the organisation of withdrawal/recall in case of non conformity on products or ingredient

Internal traceability

The **link is done** between all raw materials and ingredients used and all cheeses or dairy products made

Internal traceability is voluntary

It should allow the limitation of withdrawal/recall measures if a contamination is identified only in one specific ingredient

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The Diary Farm is locateded in Piemonte, the name is:







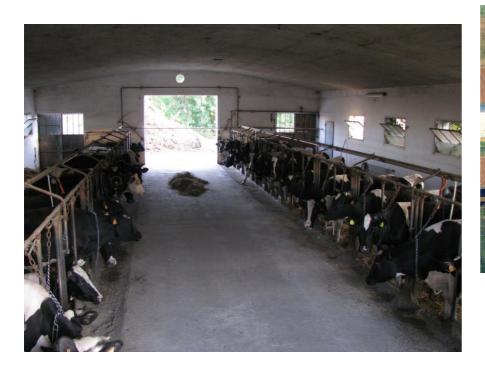
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All Products are Made with Milk from the Farm





There are 30 milking cows that produce around 600 litres of milk/day and half is used in the diaryfarm

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The Cheesmaker is Giorgio and he produces:

Pasteurized Milk
Fresh Cheeses
Ripening Cheeses
Ice Cream
Yogurt











The products are sold in the Farm shop or at the Market





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Particular product's category

Lactic Cheeses with topping sauces:

















Let's try to trace the tomino

Work in groups of 3 or 4 people:

What we Know:

- ✓ Tomino Piemontese is a Lactic Coagulation
- The milk is produced in the Farm
- ✓ The sauce is put on the top the day before selling
- ✓ The Shelf life is 1 Week
- ✓ Giorgio sells the Tomino in the Farm shop or at the Market

FIND THE BEST SOLUTION TO TRACE THE TOMINO'S STORY FROM THE MILK TO THE COSTUMERS TABLE AND THEN WE GO TO DISCOVER WHAT GIORGIO DOES



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Exemples of Ingredient's registration forms used in the Diary Farm

REGISTRO INGREDIENTI: SALE E CAGLIO

FORNITORE	LOTTO	CONSERVAZIONE	DATA	DATA FINE
	LUITO			
PRODOTTO		SCADENZA	INIZIO USO	USO
SALE ITALKALI	LP 14345C	Magazzino	15/10/17	
		No		
CAGLIO	PT	+ 4°C	30/08/17	31/12/17
vitello	15022	10/08/19	00,00,11	01,12,17
S.Maria	10022	10,00,15		
1:10.000				
1.10.000	PT	+ 4°C	31/12/17	
	18019		51/12/17	
	18019	21/08/20		

REGISTRO INGREDIENTI: FERMENTI

FORNITORE	LOTTO	CONSERVAZIONE	DATA	DATA FINE
PRODOTTO		SCADENZA	INIZIO USO	USO
FERMENTI	0025732	-18 °C	2/04/2018	
Santamaria				
TM E 10 LYO		luglio 2018		
FERMENTI	0035276	-18 °C	30/03/2018	16/04/2018
Santamaria				
YO WM 430		settembre 2018		
431				
	0035378	-18°C	17/04/2018	
FERMENTI	00448	-18 °C	19/03/2018	
Santamaria	00440	-10 C	19/03/2018	
ME G 40 42				

REGISTRO INGREDIENTI: MUFFE E LIEVITI

LOTTO	CONSERVAZIONE	DATA	DATA FINE
	SCADENZA	INIZIO USO	USO
0097801	-18 °C	03/01/18	
0082433	-18 °C	10/01/18	
	0097801	SCADENZA 0097801 -18 °C	SCADENZA INIZIO USO 0097801 -18 °C 03/01/18

Note

Note

Note









Traceabilty of Sauce

Milk is registered on a dedicated form, all other ingredients are registered in a "Ingredients book", where are specified the following:

≻Supplier

➢Name of products

- Storage and exipre date
- Start of use date

End of use date

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Farmhouse and Artisan Cheese & Dairy Producers European Network

Erasmus+

REGISTRO INGREDIENTI: SALSE

FORINTORE	LOTTO	CONSERVAZIONE	DATA	DATA FINE
PRODOTTO		SCADENZA	INIZIO USO	USO
Biffi	19BB8A	+4 °C	10/01/18	
Salsa		febbraio 2019		
Piemontese				
Vigortaggi	081017	+ 4°C	09/01/2018	
Salsa pepero'		agosto 2018		
Bibiana frut	101117	magazzino	09/01/2018	
Salsa mirtillo		luglio 2019		

Note



Giorgio everyday fills in a spreadsheet with:

- DateProduct
- ≻Quantity

FOGLIO DI LAVORO

DATA	PRODOTTO	QUANTITA'
16/03/2018	TOMINO	60 L.
	MOZZARELLA	100 L.
	TOMA STAGIONATA	150 L.









Tomino Piemontese

Packaging ready for selling











Giorgio's choice is to have an ingredient's book to collect every information

Is this the only solution to keep Internal Traceabilty?

It is not compulsory to have a ingredient's book, but it is compulsory to be able to trace where their products go!

Are there other solutions?

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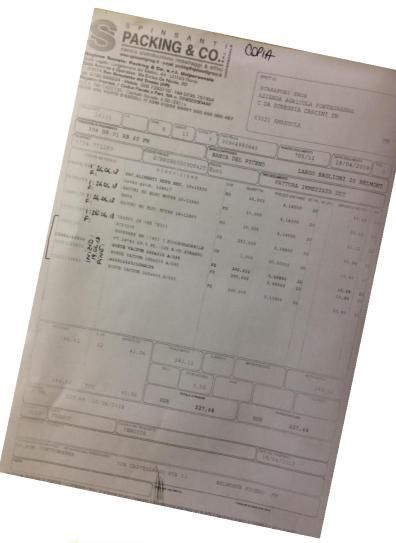


Internal Traceability in Fontegranne Farm

ANTAMARIA Prodotti e Servizi per l'industria del late NATVARIA S.F.I. 2004 GOBGORDE MENDOR DE MARGER (MI) 2004 GOBGORDE PARO	PORTEORANNE AZ C.DA SCHEOGIA C G3021 ANANDOLA PONTEORANNE AZ PONTEORANNE AZ SOSS BELMONTE P	GR DI SCARAFONI GR DI SCARAFONI GR DI SCARAFONI (TE 11 ICENO (FM)	EROS EROS	
mail #100g84878740984 IVA / CF: 02878740984 E.A. MB 1590716 - C.Soc. 10.700.00 € LV.		Data doc. 04/01/2018	19	1
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1700964980445	Poster		000 Sede	
стольны втерстраной Фледа (120), 9 Флед (120), 9 <	PZ 5.00	2,0400 2,3600 8,3100 12,7000	10.20 15/01/2018 23.50 15/01/2018 124.65 15/01/2018 12.70 15/01/2018	
01 STP002 15 01	PZ 5.00 1 PZ 10.00 PZ 15.00	2,5600 8,3100	23.50 15/01/2018 124.65 15/01/2016	











Fontegranne Farm does not have an ingredients book, but keeps a record directly on the documents accompanying products

This choice is easy and efficient









The products from Giorgio'Dolce Fattora are sold directly in the Farm shop or at the Market





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For the market Giorgio chooses

to keep a record of what is on sale to have a good management the product unsold

This is not compulsory

but it is a good practice to have a good batch rotation and perhaps to do some statistics on the seasonal customer preferences









Traceabilty on the Market

Example of document for products selling at the market



Note

Data	Prodotti	Lotto	Carico	Note	Scarico
03/03/2018	Latte fresco past	20318	30 bott		
	Tomino Fresco	10318	40 pezzi		
	Vigonella	260218	20 conf.		
	Tomino Piem.	2602C020318	10 conf		
	Peperò	0	0		
	Tomillo	2602C020318	10 conf		
	Mozzarella	280218	30 pezzi		
	Burrata	280218	20 pezzi		
	Toma stagionata	101217	8 pezzi		
10/03/2018	Latte fresco past	90318	30 bott		
	Tomino Fresco	80318	35 pezzi		
	Vigonella	50318	20 conf.		
	Tomino Piem.	0503C020918	10 conf		
	Peperò	0			
	Tomillo	0503C020918	8 conf		
	Mozzarella	70318	30 pezzi		
	Burrata	70318	20 pezzi		
	Toma stagionata	101217			
17/03/2018	Latte fresco past	160318			<u> </u>
	Tomino Fresco	150318	40 pezzi		
	Vigonella	110318	-		
	Tomino Piem.	1103C0150318			
	Peperò	0			
	Tomillo	1103C0150318			
	Mozzarella	150318			
	Burrata	150318			+
	Toma stagionata	101217			<u> </u>
24/03/2018	Latte fresco past	2303018	-		+
24/03/2020	Tomino Fresco	220318			+
	Vigonella	200318			+
	Tomino Piem.	2003C023318			+
	Peperò	2003C023318	8 conf		+
	Tomillo	2003C023318			+
	Mozzarella	280218			<u> </u>
	Burrata	280218			+
	Toma stagionata	101217			1
31/03/2018	Latte fresco past	300318			<u> </u>
22, 03/ 2010	Tomino Fresco	290318			<u> </u>
	Vigonella	250318			1
	Tomino Piem.	2503C030318			<u> </u>
	Peperò	2503C030318			1
	Tomillo	2503C030318			+
	Mozzarella	25050050518			-
	Burrata	280218			<u> </u>
	Juliata	101217			









External Traceability

Fontegranne Farm manages the external traceability keeping record of the delivery documents

	FONTEGRANNE	00018	0MBO ,52 POTENZA PIC 01826010439	ENA	RNLMTT86L04H2	MC 11R di Consegna
Contr C.F.SC Tel. +	CRANNE AZ. AGRICOLA di Scaratoni Eros ads Schegia - 6385 - Amandai RM BRESED000547 - PVA 0064800445 39 0734 771286 - Fax +39 0734 77228 Cel +39 335458296 w fortegrame it - info@fontegrame it			Tipo di pag	amento	
Cocumento	Numero Data CCOMPAGNAT 1279 28/05/2	Causale 2018 VENDITA Banca IBAN:	T88K03069695	RIMESSA	Cod. Cli/For 21131	0000004
Agerne	DESCRIZIONE	IDAN.	Q.ta	PREZZO 0.80	% SCONTI	9.60
CODICE 80 19 24 03 01	YOGURT BIANCO L 160618 RICOTTA PICCOLA L 280518 DAMORTULA L 280518 CASCIOTTA L 140518		12,000 2,700 1,800 1,470 1,880	4,90 7,50 8,30		13,23 13,50 12,21 15,7
ane increases			1	-		





