COLOSS Questionnaire 2010/2011

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Dear Beekeeper,

Why do we need some of your personal data?
We need to compare data between the years to determine if colony losses have patterns over the years, which may be stronger in certain areas and/or due to environmental factors or characteristics of your beekeeping. This information is crucial for the outcome of the survey and our further research.
How do we protect your privacy?
The data collected with the COLOSS questionnaire will be added to the COLOSS database. This database contains no names, only codes. The key which connects names and codes will be preserved separately and is only accessible for the supervisor and coordinator of the COLOSS data bank. For scientific research data may be provided, hereby an agreement for use of data will be employed.

The outcome of this survey will be reported in beekeeper and scientific journals.
Your contribution is much appreciated.

Optional Beekeeper Information		
	Beekeeper Information	
A	Firstname	
B	Lastname	
C	Address	
D	City	
F	Email	

Essential Beekeeper Information and Mortality Quantification		
	Beekeeper Information	
1	Country	
2	County	
	Calculation of Winter Losses (2010/2011)	
3	How many production colonies did you have on **October 1st 2010**?	
	In the next questions you are asked for numbers of colonies lost. Please consider a colony as lost if it is dead, or reduced to a few hundred bees, or alive but with unsolvable queen problems)	
4	How many of your production colonies were lost between October 1st 2010 and May 1st 2011	
5	How many of your production colonies were lost between October 1st 2010 and May 1st 2011 without dead bees in the hive or in the apiary (bee yard)?	

6 How many of the production colonies were lost between October 1st 2010 and May 1st 2011 because of queen problems (queenless or drone-laying queen)?

Please answer the next 2 questions only if you bought, sold, united or split colonies between October 1st 2010 and May 1st 2011

7 **Between** October 1st 2010 and May 1st 2011;

a) How many colonies did you buy or splits did you make to be used as production colonies?

b) How many colonies did you sell or give away?

c) What was the reduction in total production colony numbers due to uniting/merging?*
***eg two colonies united/merged together = loss of one colony**

8 How many production colonies did you have on **May 1st 2011**

Calculation of Summer Losses during 2010

9 How many production colonies did you have at **May 1st 2010**?

Please answer the next 2 questions if you bought, sold, united or split colonies between May 1st 2010 and October 1st 2010

10 **Between** May 1st 2010 and October 2010;

a) How many production colonies did you buy or splits did you make?

b) How many colonies did you sell or give away?

c) What was the reduction in total production colony numbers due to uniting/merging?*
***eg two colonies united/merged together = loss of one colony**

11 How many of your existing (present at May 1st) and new production colonies were lost **between** May 1st 2010 and October 1st 2010

Identification Of Possible Risk Factors

In the next question, please TICK the alternatives that best answers your situation (you may tick more than one)

12 To what do you attribute the major cause of the death colonies in your operation?

Don't know

Starvation

Poor queens	
Varroa	
Nosema	
Tracheal mite	
EFB	
AFB	
Others	

The next question is about the origin of your queens. Please choose the items which describe your situation (you may tick more than one box).

13 What is the origin of your queens?

a) Reared by the colony it self	
b) Reared from one of your own selected queens	
c) Acquired from a queen breeder	
d) Acquired from a queen breeder outside your country	
e) Acquired from a queen breeder outside Europe/South America/North America/Africa/Australia	

The next question is about queen problems, please don't include normal requeening (e.g. when the queen is old) in your answer.

14 In how many of your colonies did you have to provide a new queen because of queen problems last year? [ ]

15 In what months and year have you treated your colonies with a product for varroa mites during the period November 2009 - March 2011?

2009		2010												2011		
November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March

16 How many of your colonies were contracted for pollination services last year? [ ]

17 How many times were your colonies contracted for pollination services last year? [ ]

18 How many of your colonies were moved for honey production last year? [ ]

In the next question you are asked about the number of movements of your colonies. Please count travelling to the honey flow and returning as one movement.

19	How many times were your colonies moved for honey production last year? (e.g move to oil seed rape)	

Please estimate the total number of kilometres in the next question. (Moving your colonies to a certain location and returning).

20	How many kilometres have the majority of your colonies in average been migrated last year?	km

Please choose the honey flow sources in the next question, which best describe your situation

21 Have your colonies foraged last year on:

Rape	
Blackberry	
Sunflower	
Heather	
Lime	
Dandelion	
Willow	
Bee Pastures (clover)	
Ivy	
Other important honey flows, namely	

23	What percentage of combs did you replace in the majority of your production colonies last year?	%

24 If you gave your colonies a supplemental sugar feed last year, what product was used

Honey	
Beet Sugar	
Inverted Beet Sugar Syrup	
High Fructose Corn Syrup (HFCS)	
Other product, namely	

25	Did you feed your colonies last year with protein supplement?	yes/no
	If so, in what months	
	What type?	
	How much per colony?	

26 Have your colonies suffered any disturbance by

Mice/rats	
Ants	
Badgers	
Humans (vandalism, robbery)	
Other	