

**Irrigation follow-up survey of the  
census of agriculture 2010**

**LZB**

Please return by  
XX. XXXXXXX XXXX

Name of the authority  
Organisational unit  
Street and street number  
Postal code, town

For window envelopes: postal address of the authority conducting the survey

The data are confirmed to be correct.  
Date and signature:

[Signature box]

Contact for queries  
(voluntary)  
Name (please print):

[Name box]

Telephone or fax:

[Telephone or fax box]

You may contact us at

Telephone:  
Mr. XXXXXX XXXXX-XXXXXXX  
Ms XXXXXX XXXXX-XXXXXXX  
Fax: XXXXX-XXXXXXX  
E-Mail: XXXX.XXXX@xxxxxxxxxxx.de

Thank you for your co-operation.

For legal bases and other legal  
information please refer to page 4  
of this questionnaire.

If address or name is no longer applicable, please correct on page 2

Identification number:  
(please indicate in queries)



Box for internal handling

**The follow-up survey of the census of agriculture 2010 is a stock-taking of  
(sprinkler) irrigation in all agricultural holdings.**

**The follow-up survey covers all holdings which indicated in the main survey of the  
census of agriculture that utilised agricultural areas were irrigated in 2009.**

Please **note the following instructions** on how to complete the questionnaire.

Please **return the completed questionnaire** to the sender.

When completing the questionnaire, please proceed as follows:

- 1) Give the information asked for  
by ticking the applicable answers, e.g. ....   
or  
by entering the values asked for  
(number, area) in a right-aligned way, e.g. ....
- 2) For explanatory notes on the individual questions  
please refer to the relevant opposite page.  
Those explanatory notes are indicated as a reference in the text (e.g. **2**).

Please update your address if required.

Name and address

Please return to

Name of the authority conducting the survey  
Address

#### Notes

To avoid queries on our part, you may use this box to indicate special events and circumstances which have an impact on your current data.

## Explanatory notes

### Section 1: Outdoor irrigation in calendar year 2009

- 1** Code 2062  
Size of the utilised agricultural area actually irrigated at least once in 2009. This should cover last year's entire harvest season. Where several successive crops were irrigated on the same area, please indicate the crop irrigated most intensively.
- 2** Code 2075  
This includes the areas of other plants for green/total plant harvesting, other root-crops excl. seed production (e.g. common beet, feeding beet, rooted turnips, feeding kale, feeding carrots), other industrial crops (e.g. hops, aromatic plants, medicinal and culinary plants, rolled turf), outdoor flowers and ornamental plants, horticultural seeds and production of young plants for sale, seed and seedlings production for grasses, root-crops (excl. potatoes) and industrial crops (excl. oleaginous fruits) as well as other crops on the arable land.
- 3** Code 2079  
This includes meadows mainly for cutting, pastures incl. mowing pastures and alpine pastures as well as poor-quality permanent grassland (e.g. rough pastures and heathland) and permanent grassland excluded from production and with entitlement to grant/premium.
- 4** Code 2080  
This includes tree nurseries (excl. forest tree nurseries for the holding's own requirements), Christmas tree plantations (outside forests) and other permanent crops (e.g. osier willow plantations) in the open air.

### Section 2: Irrigation methods, water origin and quantity in calendar year 2009

- 1** **Not to be included** is the irrigation of crops under glass or other accessible protective cover, in kitchen gardens as well as frost protection irrigation.
- 2** Code 2092  
Irrigation method where water is transferred to the plants by drops just above ground level, as well as micro-spray and misty-spray installations.
- 3** Code 2093  
**Water source mainly used for outdoor irrigation:**  
**Receipt of water from public or private supply networks = 1:**  
This includes water sources outside the agricultural holding (incl. water supplied in containers) which are not classified under non-holding surface water, e.g. rivers, lakes. Water supply can be public or private (e.g. through a water association). The origin of the water is not relevant here.  
**Ground water (also spring water and bank filtrate) = 2:**  
This refers to ground water sources/wells on or near the area of the agricultural holding.
- The required water is pumped from wells drilled or dug, from freely running ground water sources and the like. This may also refer to ground water sources/wells used not only for irrigation by the agricultural holding.  
**Surface water belonging to the holding (e.g. ponds, reservoirs) = 3:**  
This refers to small natural ponds or artificial reservoirs which are either located direct on the holding's area or are used only by the holding.  
**Non-holding surface water (e.g. rivers, lakes) = 4:**  
This refers to non-holding water from lakes, rivers or other waterways not specifically built for irrigation. Small reservoirs (< 1000 m<sup>3</sup>) ensuring smooth functioning of the pumps in small watercourses/brooks should also be included here.
- 4** Code 2099  
Where no exact data are available from calculations, water meters, etc., a careful estimation should be performed. (The origin of the water is not relevant.)

Section 1: Outdoor irrigation in calendar year 2009

	Code	ha	a
<b>Utilised agricultural outdoor area irrigated in calendar year 2009, total - excl. frost protection irrigation and excl. kitchen gardens - (total of codes 2063 to 2080)</b> ..... <b>1</b>	2062	<input type="text"/>	<input type="text"/>
<b>Please note:</b> In case of several successive crops on the same area, please indicate only the crop irrigated <b>most intensively</b> :			
Cereals for grain production (excl. maize), incl. seed production .....	2063	<input type="text"/>	<input type="text"/>
Grain maize/maize to ripen fully (incl. corn cob mix), incl. seed production .....	2064	<input type="text"/>	<input type="text"/>
Silage maize/green maize incl. maize groats of ear, husk and part of stalk .....	2065	<input type="text"/>	<input type="text"/>
Potatoes .....	2066	<input type="text"/>	<input type="text"/>
Sugar beet (incl. for ethanol production), excl. seed production .....	2067	<input type="text"/>	<input type="text"/>
Pulses for grain production, incl. seed production and mixed cultivation .....	2068	<input type="text"/>	<input type="text"/>
Rape and bird rape for grain production, incl. seed production .....	2069	<input type="text"/>	<input type="text"/>
Sunflowers for grain production, incl. seed production .....	2070	<input type="text"/>	<input type="text"/>
Other oleaginous fruits for grain production, incl. seed production (e.g. oil flax, mustard, garden poppy, soybeans) .....	2071	<input type="text"/>	<input type="text"/>
Plants for fibre production (e.g. hemp, flax, kenaf) .....	2072	<input type="text"/>	<input type="text"/>
Vegetables and strawberries (incl. asparagus, excl. mushrooms) in the open air .....	2073	<input type="text"/>	<input type="text"/>
Ley/grass cultivated on arable land (incl. mixtures with predominant share of grass) .....	2074	<input type="text"/>	<input type="text"/>
Other crops on the arable land .....	<b>2</b> 2075	<input type="text"/>	<input type="text"/>
Orchards and nuts .....	2076	<input type="text"/>	<input type="text"/>
Berry plantations (excl. strawberries) .....	2077	<input type="text"/>	<input type="text"/>
Areas under vines (wine and table grapes) .....	2078	<input type="text"/>	<input type="text"/>
Permanent grassland .....	<b>3</b> 2079	<input type="text"/>	<input type="text"/>
Other crops outside the arable land .....	<b>4</b> 2080	<input type="text"/>	<input type="text"/>
<b>Size of the utilised agricultural outdoor area irrigated on average in the last 3 calendar years (2007 to 2009)</b> .....	2061	<input type="text"/>	<input type="text"/>

Section 2: Irrigation methods, water origin and quantity in calendar year 2009 **1**

	Code	Please tick	
Outdoor irrigation methods	Sprinkler irrigation .....	2091	<input type="checkbox"/> 1
	Drop irrigation (just above ground level, also micro-sprinklers) .....	<b>2</b> 2092	<input type="checkbox"/> 1
Water source <b>mainly</b> used for outdoor irrigation <b>3</b>	Receipt of water from public or private supply networks .....	2093	<input type="checkbox"/> 1
	Ground water (incl. spring water and bank filtrate) .....		<input type="checkbox"/> 2
	Surface water belonging to the holding (e.g. ponds, reservoirs) .....		<input type="checkbox"/> 3
	Non-holding surface water (e.g. rivers, lakes) .....		<input type="checkbox"/> 4
	Other origin (e.g. brackish water, processed water) .....		<input type="checkbox"/> 5
<b>Water quantity consumed in calendar year 2009</b> .....	<b>4</b> 2099	<input type="text"/>	m <sup>3</sup>

# Notification in accordance with section 17 of the Federal Statistics Law

## Purpose, type and scope of the survey

The census of agriculture (LZ) and the survey on agricultural production methods (ELPM) were conducted in spring 2010. The LZ was conducted as a complete enumeration in all agricultural holdings, while the ELPM covered a sample of a maximum of 80,000 holdings. The follow-up survey covering the irrigation variables will be conducted only in holdings which indicated in the LZ 2010 that (part of) their utilised agricultural areas were irrigated in 2009. The goal of the survey is to obtain comprehensive, up-to-date and reliable statistical information on irrigation in agricultural holdings. The data, in connection with the results of other agricultural statistics, will be used at the national and supranational levels to draw comparisons between countries and regions and to obtain key figures for the interaction between agriculture and the environment. Also, the results will provide the statistical bases required for decision-making and actions on the part of government, administration, the agricultural profession, the economy and the scientific community at the national and European levels.

At the same time, the results will meet the statistical requirements of the European Union. As the results will also be used for planning and activities for the benefit of agriculture, the survey deserves your full support.

## Legal bases

Council Regulation (EC) No 1166/2008 of 19 November 2008 on farm structure surveys of the European Community (OJ of the European Union No L 321 p. 14 of 1 December 2008). Data are collected according to Annex V to the Regulation.

Agricultural Statistics Law as published on 19 July 2006 (Federal Law Gazette I, p. 1662), last amended by the law of 6 March 2009 (Federal Law Gazette I, p. 438). Data are collected according to section 32 subsection 1 number 1 and subsection 2 number 4.

Federal Statistics Law of 22 January 1987 (Federal Law Gazette I, pp. 462, 565), last amended by section 3 of the law of 7 September 2007 (Federal Law Gazette I, p. 2246).

Law on the equal treatment of areas set aside and utilised agricultural areas of 10 July 1995 (Federal Law Gazette I, p. 910), last amended by section 62a of the law of 13 April 2006 (Federal Law Gazette I, p. 855).

## Obligation to provide information

According to section 93 subsection 2 number 1 of the Agricultural Statistics Law in connection with section 15 of the Federal Statistics Law, the persons obliged to provide information are the **holders or managers of agricultural holdings**.

According to section 15 subsection 3 of the Federal Statistics Law, response must be given **truthfully, completely and within the time limits set by the statistical offices of the Länder, free of charge and postage paid** to the recipient (the statistical offices of the Länder).

Objections and actions for rescission brought against the summons to provide information **will not have a suspensive effect**, according to section 15 subsection 6 of the Federal Statistics Law.

## Confidentiality

In accordance with section 16 of the Federal Statistics Law, the individual data collected are generally kept secret. Only in exceptional cases explicitly provided for by law may individual data be passed on. Passing on the collected data to the competent supreme Federal or Land authorities in the form of tables containing statistical results – even where table cells show one case only – is permitted according to section 98 subsection 1 of the Agricultural Statistics Law in connection with section 16 subsection 4 of the Federal Statistics Law. Also, according to section 98 subsection 5 of the Agricultural

Statistics Law, passing on statistical results from the agricultural structure survey (section 24 subsection 1 number 1) is allowed for activities of policy impact assessment to the *Johann Heinrich von Thünen-Institut, Bundesforschungsinstitut für ländliche Räume, Wald und Fischerei*.

According to section 16 subsection 6 of the Federal Statistics Law, individual data may also be passed on to institutions of higher education or other institutions entrusted with independent scientific research for the purpose of carrying out scientific projects, if an allocation of the individual data to the respondent or parties concerned is possible only with unreasonable efforts in terms of time, cost and manpower. The obligation to keep data secret also applies to persons receiving individual data.

## Auxiliary characteristics, separation and deletion

Auxiliary characteristics are first and last names (name of company, institute or authority, where applicable), address, date and signature as well as voluntary information on telephone numbers and e-mail addresses. They are used only for the technical conduct of the survey and will be separated from the questionnaire after finishing data checks at the latest and will be deleted with the exception of name, address, telephone numbers and e-mail addresses, which are entered into the register of holdings.

## Identification number of the holding and register of holdings

According to section 97 subsection 3 of the Agricultural Statistics Law, a non-systematic and Land-specific identification number is allocated for every survey unit, which is then entered by the statistical offices of the Länder into the register of agricultural holdings to be maintained according to section 97 subsection 1 of the Agricultural Statistics Law. It is used for the allocation of holdings in the context of agricultural statistics.

The following auxiliary and survey characteristics are included in the register of holdings according to section 97 subsection 2 of the Agricultural Statistics Law:

- Name and address of the holder or manager of the holdings, telephone numbers and e-mail addresses,
- Seat of the holding and name for regional allocations as well as geographical co-ordinates of the holding's seat,
- Type of holding,
- Legal status of the holder,
- Size of areas and numbers of animals which are required to determine the group of respondents and to correctly allocate the holding to a stratum in the sample,
- Identification number in the register,
- Participation in surveys of agricultural statistics,
- Day of inclusion into the register of holdings,
- Key figures for identification within the scope of the utilisation of administrative data according to section 93 subsections 5 and 6 of the Agricultural Statistics Law.

## Rights and duties of the interviewers

To reduce the burden on respondents, interviewers may be employed. They must not use the information gained through their activity for other procedures or other purposes. That obligation will continue to apply after they have finished their activity. The interviewers should help the respondents in answering the questions.

Upon request, respondents may enter the data into the questionnaire by themselves and give the questionnaire to the interviewer or hand it over in a sealed envelope or deliver it to the survey office or send it there within one week with sufficient postage paid.