A Big Earth Data Platform for Three Poles

**Evaluation of irrigation water demand and observation of soil and water environmental effects of newly reclaimed farmland in the middle reaches of Heihe River (2012-2014)**

1、Description

The field experiments of water consumption and irrigation water productivity of corn and cotton were arranged in 2012 and 2013, and the field experiments of irrigation water productivity of corn and sunflower under different mulching and cultivation methods were arranged in 2014. The characteristics of water consumption and irrigation water demand of three crops under different soil conditions, as well as the relationship between key soil properties and crop yield and irrigation water productivity were obtained.

2、Keywords

Theme：Agricultural Resources,Farmland,Water Resources,Water withdrawal  
Discipline：Human-nature Relationship  
Places：Heihe River Basin  
Time：2012, 2013

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.17MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.379 | - |
| west：100.11 | - | east：100.201 |
| - | south：39.311 | - |

5、Time frame:2012-01-15 10:49:49+00:00--2015-01-14 10:49:49+00:00

6、Reference method

References to data:

Evaluation of irrigation water demand and observation of soil and water environmental effects of newly reclaimed farmland in the middle reaches of Heihe River (2012-2014). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.401.2014.db2015

References to articles:

7、Supporting project information

8、Data resource provider