

# Estimated Area of the Farmland Damaged from Outflow, Submerged, etc. by the Tsunami

As of March 29, 2011 (Unit: ha)

| Prefecture   | Cultivated area<br>(2010) | Estimated damage areas such<br>as outflow, submerged |                        | Test calculation of the breakdown<br>of rice and other crops field in the<br>estimated area |                           |
|--------------|---------------------------|--|------------------------|---|---------------------------|
|              |                           |  | Damage<br>area rate(%) | Rice feeld area   | Other crops<br>field area |
| Aomori       | 156,800                   | 79   | 0.1%                   | 76  | 3                         |
| Iwate        | 153,900                   | 1,838  | 1.2%                   | 1,172   | 666                       |
| Miyagi       | 136,300                   | 15,002   | 11.0%                  | 12,685  | 2,317                     |
| Fukushima    | 149,900                   | 5,923  | 4.0%                   | 5,588   | 335                       |
| Ibaraki      | 175,200                   | 531  | 0.3%                   | 525   | 6                         |
| Chiba        | 128,800                   | 227  | 0.2%                   | 105   | 122                       |
| <b>Total</b> | <b>900,900</b>            | <b>23,600</b>  | <b>2.6%</b>            | <b>20,151</b>   | <b>3,449</b>              |

- (Note) 1. Cultivated area is the data of 2010 (the total of rice field and other crops field).  
 2. Estimated damage area is that seemed to flow out or be submerged, judged by the figures of inundation area of the Great East Japan Earthquake (GEJE) by Geographical Survey Institute and the artificial satellite pictures before the GEJE. In addition, damage such as crack, soil liquidation occurred out of the estimated damage area above. These damage are not included because they are now under investigation.  
 3. Estimated damage area is added up of the estimation of every farmland group, and some waterways or the minor farm road are included.  
 4. Test calculation of the breakdown is estimated by using the rate of rice field and other crops field of each region by the past researches.  
 (Materials of Ministry of Agriculture, Forestry and Fisheries)

Original data: Materials of Ministry of Agriculture, Forestry and Fisheries  
 Source : Cabinet Office "White Paper on Disaster Management 2011"

## Detailed Information of the figure on the previous page

|                              |                           |   |
|------------------------------|---------------------------|---|
| Title on the previous page   |                           | Estimated Area of the Farmland Damaged from Outflow, Submerged, etc. by the Tsunami   |
| Point of displayed contents  |                           | <ul style="list-style-type: none"> <li>▪ It shows damaged farmland area by prefecture.</li> <li>▪ Miyagi accounts for two-thirds of the whole damage area.</li> </ul> |
| Details of the source        | Name of the source        | Cabinet Office “White Paper on Disaster Management 2011” Part 1, Chapter 1, Section 1 , 2 (4) <Jul. 2011>   |
|                              | Title                     | Figure 1-1-12 Estimated Area of the Farmland Damaged from Outflow, Submerged, etc. by the Tsunami   |
|                              | URL                       | <a href="http://www.bousai.go.jp/kaigirep/hakusho/h23/bousai2011/html/hyo/hyo012.htm">http://www.bousai.go.jp/kaigirep/hakusho/h23/bousai2011/html/hyo/hyo012.htm</a> |
| Details of the original data | Name of the original data | Estimated Area of the Farmland Damaged from Outflow, Submerged, etc. by the Tsunami (Materials of Ministry of Agriculture, Forestry and Fisheries) <March 29, 2011>   |
|                              | URL                       | <a href="http://www.maff.go.jp/j/press/nousin/sekkei/pdf/110329-02.pdf">http://www.maff.go.jp/j/press/nousin/sekkei/pdf/110329-02.pdf</a>                             |
| Keywords                     |                           | farmland, outflow, submerged, cultivated area, rice field, other crops field, damage area   |
| Data Number                  |                           | 01-041-0104 (Please specify this number when you make any inquiries about this sheet)   |