

Impact and damage on Agriculture sector in Aceh Darussalam and North Sumatra Provinces of Indonesia

**Human resources of
Agricultural Offices in central
and provincial Units**

Out of 13565 persons:

91 died

14 injured

162 missing

366 lost their households

Office buildings:

5 destroyed

19 heavily damaged

1 lightly damaged

7 untouched



Class A fields: 4000 ha in East Coast and 3000ha in West Coast

This class includes fields for which return to cultivation is achievable rapidly without major interventions. It obviously depends also on precipitations occurred since the sea floods.

Five weeks after the disaster some farmers have already replant on least damaged paddy field as shown in the picture on the right.



Some Class A fields needs to be cleaned but this can be obtained with a minimum of interventions.



Class B fields: 4000 ha in East Coast and 6000ha in West Coast

This type of field requires more work to recover, for cleaning the debris, salt leaching as well as land levelling. It might take some months before being able to return to cultivation under constraints, for instance with salt tolerant varieties.



Class C fields: 18,000 ha along the West Coast

This class includes fields severely damaged, by erosion, debris, deposit and destruction of structures (top right picture)

For this category there are major obstacles to a rapid reclamation and one or several cropping season is out of reach. Methods for reclamation still need to be investigated and may have to be tested out on pilot areas first. In some cases, the return to cultivation might even be discussed and alternative production activities from natural resources use and management (eco-systems) may be sought for these coastal lands, while compensating current landowners and helping them reorienting/diversifying their activities on other land or other productive activities.

This class includes also fields flooded by brackish water for several weeks since the disaster due to improper drainage (bottom left picture).



Class D areas: 3000 ha of lands along the West coast are permanently under sea water.

There are fields and areas along the West coast of Aceh that have merely disappeared. There is no longer land or land is permanently covered by sea water. This category of land is permanently lost and there is no remediation except that compensation of land owners and relocation of activity elsewhere.



Damage to infrastructure

Irrigation infrastructure serving about 8000 ha has been damaged [Tertiary and Quaternary canals]

Irrigation canals have been completely silted up and filled with debris, trees' trunks.



Damage on Agriculture equipment

885 hand tractors, 23 large tractors and 271 water pumps have been damaged. Post harvest equipments have been also damaged or destroyed.


