



COLOMBIA

Irrigated crop calendar

2011

| Irrigated crops | Area | Crop area as percentage of the full control actually irrigated area by month | | | | | | | | | | | |
|--|--------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1000 ha | J | F | M | A | M | J | J | A | S | O | N | D |
| Rice one | 125 | | | 32 | 32 | 32 | 32 | 32 | | | | | |
| Rice two | 120 | | | | | | | | 31 | 31 | 31 | 31 | 31 |
| Maize and other cereals one | 2 | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | |
| Maize and other cereals two | 33 | | | | | | | | 8 | 8 | 8 | 8 | 8 |
| Vegetables one | 8 | | | 2 | 2 | 2 | 2 | 2 | | | | | |
| Vegetables two | 18 | | | | | | | | 5 | 5 | 5 | 5 | 5 |
| Fruits | 14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Plantains | 2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Potatoes | 9 | | | | | | | | 2 | 2 | 2 | 2 | 2 |
| Coffee | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cocoa | 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Sugarcane | 168 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| Cotton | 1 | 0.3 | 0.3 | | | | | | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Tobacco | 2 | | | | | | | | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Harvested irrigated crop area [AHI_{full}] | 524 | | | | | | | | | | | | |
| Area equipped for full control irrigation actually irrigated [AAI_{full}] | 394 | 52 | 52 | 86 | 86 | 86 | 86 | 86 | 86 | 99 | 99 | 99 | 99 |
| Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}] | 133 | | | | | | | | | | | | |
| Area equipped for full control irrigation [AEI_{full}] | 1 087 | | | | | | | | | | | | |
| % of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}] | 36 | | | | | | | | | | | | |
| Total area equipped for irrigation [AEI_{tot}] | 1 087 | | | | | | | | | | | | |



Narrative Colombia

AEI_{tot} and AEI_{full} are 900 000 ha in 1998. The 2008 national agricultural census on the irrigation systems was based on the number of farms instead of their areas (DANE, 2008). But an AEI_{tot} of 1 086 800 ha in 2011 is indicated in the National Plan for Development 2010-2014 (DNP, 2011). In addition, the 2011 National Survey provides harvested irrigated areas (DANE, 2011). AHI_{full} in 2011 is 524 000 ha. AAI_{full} has been calculated by deducting from AHI_{full} the area of one crop of rice, one of other cereals and one of vegetables due to double cropping, resulting in an AAI_{full} of 394 000 ha and a cropping intensity of 133 percent. Except for the most humid areas, precipitation is characterized by a strong seasonality. Irrigation is then necessary for temporary and permanent crops. The main irrigated crops are cereals (rice and maize), sugarcane, vegetables, cocoa and coffee. Some fruits, plantains, potatoes, cotton and tobacco are also irrigated. Irrigation occurs all year round but with a peak in the second semester of the year during the dry season.

References

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