

10. AGROMETEOROLOGICAL RESEARCH AND ITS MEASURING TECHNIQUE

ISÃO TOMARI 1. (Agrometeorologia)

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During my stay in CPAC, Brazil, from February 7 to March 31, 1980, the above agrometeorological research was carried out to establish the method of energy balance measurement in rice and corn field in the periods of the short dry spell (veranico) during the rainy season.

This research was a part of the programs of soil-plant-climate project which have been carried out since CPAC established. The calculation method of energy balance in rice field was discussed with the members of the project and an experiment was conducted.

The diary of my research activities and their results are summarized as follows:

1. **Diary of research activities**

. 1st week (February 7 - 8)

a) general visit

. 2nd week (February 11 - 15)

a) general visit to Agrometeorology Section (laboratory and fields)

b) instruments-check, mounting and operation of automatic weather station

c) meeting with soil-water-plant staff
d) general view of "cerrado"
natural resources (climate, soils, vegetation, etc.)
office work

. 3rd week (February 21 - 22)

a) visit to the National Institute of Meteorology and Souza Lima's farm

b) analysis of field experimental data (solar radiation balance in soybean field)

. 4th week (February 25 - 29)

a) analysis of field experimental data (solar radiation balance in soybean field)

b) radiation transfers (solar radiation, soil heat flux, net radiation, temperature in rice field)

c) visit to NOMURABRAS, in Araxá, MG.

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