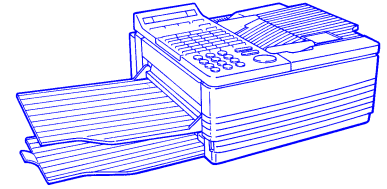




SEASONAL CLIMATE INFORMATION SERVICE
SOI FAX HOTLINE S
 (Southern Oscillation Index)
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SOI MESSAGE - 2 JANUARY 1997

SOI (a) AVERAGES / PHASE		
October 96	*	+ 6.2
November 96	*	- 0.8
December 1996	*	+ 7.3

Last 30 days		+ 7.6
Last 90 days (b)		+ 4.2

SOI trend ^(b) during November - December was Phase 4 (i.e. rising) .		

NOTE : (a) SOI values calculated using mean barometric pressures from 1880 to 1992 - subject to revision by Bureau of Meteorology.

* Preliminary value ** Revised value

(b) See AUSTRALIAN RAINMAN for effects of SOI on rainfall at your location.

Sea-surface temperatures are mostly neutral in the central and eastern tropical Pacific, except for a cooler-than-normal area in the extreme east. Seas in the tropical western Pacific Ocean and the eastern Indian Ocean are warmer-than-normal, including to the north of Australia.

Pasture growth forecasts indicate that although average summer rainfall is the most likely outcome this year, this may not produce median pasture growth where grasses have been weakened by several years of drought; however, pasture quality and animal performance should be excellent.

The average SOI over the previous 30 days has increased to +7.6 . Climate forecasts continue to suggest a high probability of average rainfall for most of Queensland during the January to March period.

THE BOTTOM LINE

REVIEW OF CLIMATIC FORECASTS AND INFORMATION

The probability of receiving median rainfall, during the January to March period, is about 50% over most of eastern Australia. Exceptions in Queensland are in the south-west corner and in an area to the north-west of Emerald where the probabilities are about 35%; and areas inland from Mossman, around the Selwyn range and a strip from Kingaroy to Cracow where the probabilities are about 65%.

In NSW exceptions are parts of a wide strip running from Sydney to north-west NSW where the probabilities are about 35%. In parts of western Victoria the chances of obtaining median rainfall are about 65%.

The next passage of the 30- to 50-day Oscillation is due approximately within the period of 17-26 January.

To obtain more information for your location, we recommend combined use of the AUSTRALIAN RAINMAN package and the Bureau of Meteorology's Seasonal Climate Outlook. Also a lot of additional information is available on our Internet World Wide Web service, 'The Long Paddock', at URL - <http://www.dpi.qld.gov.au/longpdk/>.

The next SOI MESSAGE update will be on the 8th of January (usually by 5pm).

Climate Impacts and Spatial Systems - Department of Primary Industries
 Compiled by Dr Roger Stone and Col Paull, QDPI.

If you would like any further information, please contact Col Paull on (07) 389 69587, or one of the Climate Risk Co-Ordinators located at Longreach (076) 584 400, Charters Towers (077) 872 155, Emerald (079) 828 801, Kingaroy (071) 600 717 and Roma(076) 229 999

Some information courtesy Bureau of Meteorology, CSIRO and National Oceanographic and Atmospheric Administration, USA