



Figure 1. a, Eucalyptus gall on the clone C283. b, Eucalyptus gall wasp emerged holes on midrib.

(TAFCON) at Karaikudi, Aranthangi, Pudhukottai, plantations of Tamil Nadu Newsprint and Papers Limited (TNPL), and farm forestry areas at Kanchipuram, Chenglepet, Sriperampudhur, Madurai, Sivagangai and Kovilpatti areas since July 2012. The eucalyptus clones, C10, C3, C7, C274, C283, C226 and C413 were planted in the aforementioned areas. Of these clones, clone C10 of a 6-year-old plantation at Karaikudi was found to be the most susceptible for gall incidence. Hence, further propagation and planting of C10 was stopped by TAFCON. Clones C283 and C7 were heavily infested by gall wasp (100%) at Sivagangai. Clones C3 and C7 were also infested by the gall insect, when clone C10 was planted adjacent to them. It was concluded from the survey that the gall incidence is not totally contained in the

state, as some areas are still ravaged by the gall wasp. Continuous monitoring in both nurseries and young plantations for the incidence of the gall insect at regular intervals is essential to effectively manage the pest.

Currently, no specific management strategies against *L. invasa* exist. Some of the ad hoc measures include periodic monitoring of infested nurseries and plantations, mechanical removal and avoiding use of susceptible clones. When the pest incidence is low, selective pruning or plucking of leaves or shoots, application of systemic insecticides such as dimethoate or oxydemeton methyl (2 ml/l) or imidacloprid (1 ml/l) at fortnightly intervals and strict quarantine have also been suggested. Two Eulophide parasitoids native to Israel, namely *Quadrastichus mendeli* Kim and LaSalle,

and *Selitrichodes kryceri* Kim and LaSalle were found to be effective in reducing the *L. invasa* population.

1. Jacob, J. P., Devaraj, R. and Natarajan, R., *Newsl. Asia-Pacific For. Invasive Species Network*, 2007, **8**, 4–5.
2. Krishnakumar, N. and Jacob, J. B., *Karnataka J. Agric. Sci.*, 2010, **23**, 217–219.
3. Roychoudhury, N., Subhas Chandra and Joshi, K. C., *Vaniki – Sandesh*, 2007, **31**, 13–15.
4. Shivesh Kumar, Sharma, S. K., Tarun Kant and Emmanuel, C. J. S. K., *Indian For.*, 2007, **133**, 1566–1568.
5. Mendel, Z., Protasov, A., Fisher, N. and La Salle, J., *Aust. J. Entomol.*, 2004, **43**, 101–113.

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Hypertension

*Tension tension hypertension
Silent killer causes major tension
Why and when you don't know
But one fine day you come to know
That your beats are crazy and you feel
dizzy
Systole and diastole behave very crazy
What went wrong you may be thinking
Stress, high salt, alcohol – keeps tinkering
Its never too late to get yourself checked
To protect yourself from the silent killer
Beware of your beats and stop the feast
To live healthy and happily ever after.*

World celebrates World Health Day on 7 April 2013, and the focus of this year is on 'hypertension'. Hypertension is a silent killer (<http://www.cdc.gov/nchs/fastats/hyprtens.htm>). According to a report by CDC, Atlanta, 50 million cases of hypertension are being reported to physicians each year. The multifactorial cause of this disease makes it more complicated. Moreover, hypertension is linked to other serious disorders, multiple organ failure, etc. WHO 2002 reported hypertension as the major factor for disability-adjusted life years. It has been estimated

that 1.56 billion people will suffer from hypertension by the year 2025 (ref. 1).

1. Chockalingam, A., Campbell, N. R. and Fodor, J. G., *Can. J. Cardiol.*, 2006, **22**, 553–555.

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