

## Studies on Forcing Budbreak of 'HengShan Pear' by Calicum Cyanamid<sup>1</sup>

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### Abstract

The buds of 'Heng-Shan' pear tree (*Pyrus serotina* R.) go into dormancy in September and remain in a state of deep rest from late November to early January. The degree of dormancy diminish from February and emerges in March in Taitung prefecture, Taiwan. Field experiment showed that induction of budbreak was least effective when applied in the middle of December if dormant 'Heng-Shan' pear trees were sprayed with calcium Cyanamid solution(1:8), however, better result could be expected if it was applied in the middle of January or February. The content of total soluble sugar increased rapidly and accumulated early in shoots in the middle February sampling. The optimal time to break dormancy was in late January in Taitung. Spraying solution filtering process, in general, did not affect much in this experiment.

**Key words:** Hengshan pear, Budbreak, Calicum Cyanamid, Nitrogen, Total soluble sugar.

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