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## 5- SUMMARY AND CONCLUSIONS

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This investigation was carried out during the two consecutive seasons of 1989 and 1990 at the Experiment station of the Faculty of Agriculture, Moshtohor. Forty "Le Conte" pear trees of 11-year-old budded on (Pyrus communis, L) and nearly similar in their growth vigour were devoted to study the effect of shoot topping and growth regulators treatments as follows :-

- 1- "Tap water" as a control.
- 2- Shoot topping of current season growth via leaving 8 leaves per shoot.
- 3- Alar "SADH" at 1000 ppm.
- 4- Alar "SADH" at 2000 ppm.
- 5- Alar "SADH" at 3000 ppm.
- 6- Cycocel "CCC" at 1000 ppm.
- 7- Cycocel "CCC" at 2000 ppm.
- 8- Cycocel "CCC" at 3000 ppm.

Alar and Cycocel sprays were carried out at full bloom, while shoot topping was done in mid-June.

The obtained results could be summarized as follows :-

### 1. TREE GROWTH

- a- All treatments induced highly significant reduction in shoot length as compared with the control. This was more obvious