



STOLLER ENTERPRISES, INC.

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Flowering and Fruit Setting of Plants

All plants have many potential flowering and fruit setting buds. During some growing conditions, more of these buds become active and fewer are dormant. Under other conditions, almost all of these buds could remain dormant with only a few flowering. This is largely dependent upon how the plant grows during the flowering period.

The number of dormant buds are dependent upon the amount of auxin that is discharged from the apical growing point down the stem or branches of any plant. The more auxin that is discharged down the plant, the greater number of buds will remain dormant. If one wants to increase the number of active budding points in any plant, it becomes necessary to control the apical meristem growth on any plant. The amount of auxin that travels down the plant must be controlled. Auxin travels down the plant by the force of gravity.

The above will indicate that any plant growing with upright branching will have fewer buds on the upright branches. On the other hand, where budding points are on lateral branches (where auxins cannot move against gravity), the number of active buds will become more numerous. Normally, the more vigorously growing plant will exhibit more dormant buds and fewer active buds. This is best described as observing the internode length. The longer the internodes, the fewer active buds will be expressed on the plant. It is important to control the length of internode growth, not the number of internodes.

In order to control the internode length, the Stoller Group has two products that can do so. Nitrate Balancer and LOAD are the most effective products. They should be applied immediately preceding the period when flower and/or bud initiation is desired. This is not hard to do. It is not a complicated process.

Whenever one sees vigorous (longer internode length) before the normal flowering period, apply the above products so that more flowering buds or fruiting buds can be activated.