

The Usage of **Breakout** for the chemical methods of thinning apple flowers

2012

Hu-bas korea LTD

Outline – Flowers thinning to get the High quality of Fruits

1. Historical way

- ❖ When the King bloom ,in the center of the blossom cluster, is the first to open and process the Artificial pollination
- ❖ And then the other flowers thinning by chemical (LSM) app 3times (interval 3days) depends on the condition of the trees

2. The main problems during above process

- ❖ It is too labor intensive hence too expensive
- ❖ The apple trees have adverse reaction from the multiple chemical thinning process

3. The ideas

- ❖ How to control the flowers blooming time simultaneously to do the one time process of the chemical thinning the flowers

The case study– April 2012

Geochang S.Korea

1. 1st Application of Breakout
To promote the blooming time
of the king flower
2. The process of the Artificial pollination
For the Fruit setting of king flower
which produces the biggest fruit
3. 2nd Application of the Breakout
To promote the other flowers blooming time
Simultaneously
4. Application of LSM (lime sulfur mixture)
(Dilution rate with water 1,000~1,200 times
Depends on a varieties)
For the process of other flowers thinning

1st Application time of Breakout



Artificial pollination time



After A.P.P (one or two days later)
Perform the 2nd Application of Breakout

Application of LSM



The Color of stamen and pistil was changed ,
means to be translated into action of pollination

The process of the thinning the flowers (LSM)



3 days after application of LSM



Convex calyx of the upper part of flower stalk



8days after application of LSM







Two American was fighting against the korean food with sitting on the floor



They couldn't make up their mind How to fight it



17min later they just followed their destiny





Thanks for All BHN' Family

