The Mode of Action of GA

GA causes cell sizing. It does so by sending a signal, which increases the rate of sugar movement into the plant tissue. This is why plant tissue that is dominated by GA grows so much bigger and is also responsible for the long internode length of plants.

More specifically, when the abscission cells form where the grapes touch the grape stem, the abscission cells become so large that they become weak and the process of thinning occurs.

After the fruit is attached to the plant so I will no longer drop, multiple applications of Gibberellic acid are added to increase the velocity of sugars moving into the fruit. This is normally the function of seed being formed. Seedless grapes, however, do not have seed. Therefore, they need several Gibberellic acid applications in order to mimic what seed normally does. The more Gibberellic acid you apply, the faster the food moves into the fruit, and the larger the cells become.

Caution: Do not overuse Gibberellic acid or the cell walls may become too weak. Never use Gibberellic acid on fruit that have seed unless you use it late in order to retard ripening.

Regards,

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