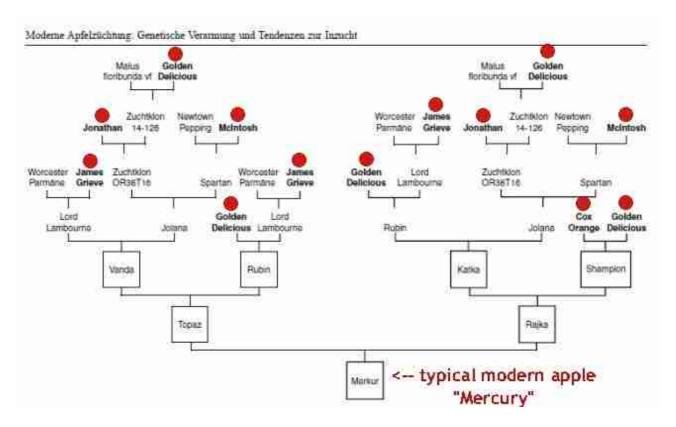
## **INBREEDING IN MODERN APPLES**

Most apples bred since the 1920s are descended from one or more of the same 6 'ancestor' varieties.

Golden Delicious Red Delicious James Grieve McIntosh Jonathan Cox

They have at least one of these apples in their family tree, as a parent, grandparent or great-grandparent.

Sometimes the ancestors appear several times, as in this example. The ancestors are highlighted:



This causes:

- Susceptibility to disease.
- Need for excessive spraying (fungal disease scab)
- All commercial varieties tasting very similar.

## **INBREEDING:** variety **TOPAZ**



**Bred from older varieties BEAUTY OF BATH and WORCESTER PEARMAIN:** 

