

DEACIDIFICATION BY DICALCIC PROCESS

- ◆ **Volume of wine to deacidify : 600 HL** **Dicalcic weight to use : 160 kg**
- ◆ **It is very important to respect these following indications because the efficiency of DICALCIC treatment depends on this protocol.**
- ◆ Only a fraction of wine will be treated. In this case, the volume will be **108 hL**. It is important for the success of the treatment to have a sufficient tank volume (about 150 hL) and a mixer. The necessary quantity of **Dicalcic** being **160 kg**. Concerning the first treatment stage, mix **160 kg of Dicalcic** with 10% of wine to deacidify (**10 hL**). It is recommended to use a little tank for best results (20 hL for example).
- ◆ These **10 hL** of wine are introduced into the 150 hL tank with a mixer. The total quantity of **Dicalcic** will be added into this volume at one time. After the mixing is carried out, deacidified wine will be transferred into the treatment tank and kept mixing.
- ◆ Closed circuit will be realized on the treatment tank. The wine racked from the bottom of the tank will be pumped on the top of the same tank with a great debit pump (from 100 to 200 hL/hour).
- ◆ **Y connection** is connected on the suction side of the pump and it will permit to add the acid wine (**108 hL**). The debit will be controlled on this circuit with a valve.
- ◆ The wine from the treatment tank is kept mixing (mixer + pumping-over circuit), the wine to deacidify will be slowly added to this circuit (about 18 hL/hour).
- ◆ The introduction of the wine to be deacidified will be temporarily stopped when a volume of **85 hL** is in the treatment tank.
- ◆ **pH** will be controlled and should be close to **5**.
- ◆ Regarding the **13 hL** of wine left to deacidify, the introduction will be carried out as before but with a less significant debit (6 hL/hour). The **pH** should not fall below **4.6**.
- ◆ When the totality of the **108 hL** is incorporated and the **pH =** or is **close to 4.6**, the tank will continue to mix for 2 hours.
- ◆ A deposit resuspension will be done the next day by mixing the wine in the treatment tank.
- ◆ Keep the wine in the tank to allow the sedimentation of crystalline deposit.
- ◆ This wine will be racked, filtered and carefully added to the total volume of **600 hL**.

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