



COLLARD® THE WIDEST RANGE OF **LEAF REMOVERS**
ON THE MARKET



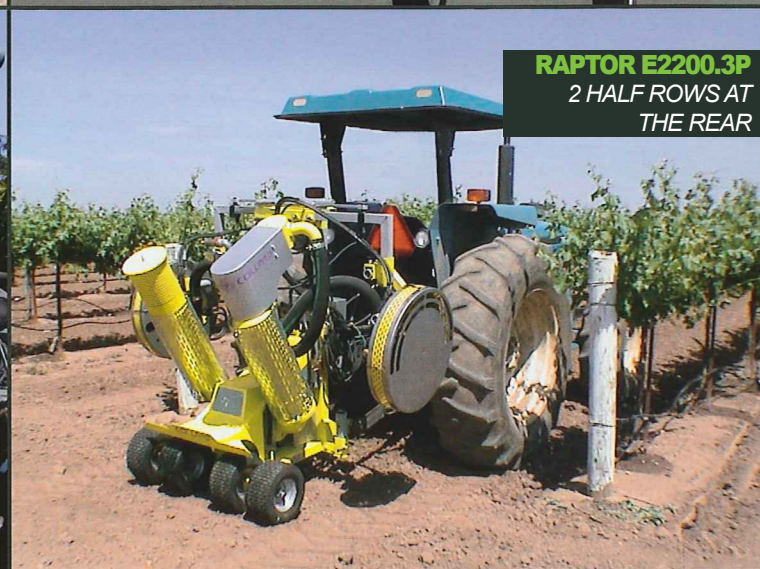
E3000.3P
1 ROW AT REAR



E 3000 L2P
1 ROW ON
POLYVALENT
FRAME



RAPTOR E1100FR
1 HALF ROW
REVERSIBLE : R/H or L/H



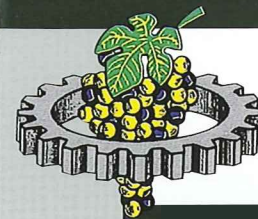
RAPTOR E2200.3P
2 HALF ROWS AT
THE REAR



TORNADO 2 ROWS
ON STRADDLE
TRACTORS



RAPTOR E2200F
2 HALF ROWS AT
THE FRONT



COLLARD®

THE WIDEST RANGE OF **LEAF REMOVERS**
ON THE MARKET



ROBUSTNESS

RESPECT OF THE FRUITS

**FROM THE FALLING OF THE FLOWER
HEADS TO THE HARVEST**

COLLARD LEAF REMOVER WITH
DOUBLE FLOW* OF AIR

Leaf removal is achieved by a double flow* of low-pressure air, produced by a booster, which is blown through the leaves at fruit level by rotating nozzles, that removes the leaves from both the outside and the interior of the row, achieving selective leaf removal which clears around the grapes.

* **COLLARD** Patent

COLLARD company reserves the right to modify without notice the characteristics of its manufacture. (11/2009)



ETS COLLARD S.A.
BP 1-11, rue Jeanne d'Arc
51150 BOUZY - FRANCE
Tel: (33)3 26 57 01 12 - Fax: (33)3 26 57 09 87
www.collard.eu

YOUR DEALER

WHY REMOVE LEAVES ?



This technique consists in removing leaves from around the bunches of grapes :

- Better aeration of the fruit zone,
- Lower levels of acid rot and botrytis attack,
- Better penetration of spray treatments.

The advantages of early leaf removal recognised by the ITV and the Chambers of Agriculture :

Besides the advantages mentioned above, removing leaves as early as possible (setting of the fruit) also enables the grapes to benefit from early exposure to sunlight :

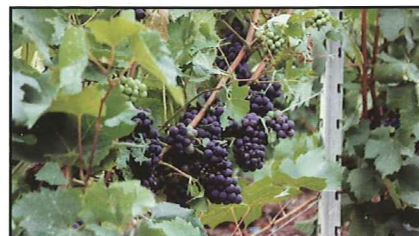
- ▶ the young fruit is enriched in anthocyanins and phenolic compounds. One can thus obtain grapes which are richer in matter and more suitable for producing great wines ;
- ▶ tougher skin which is more effective in preventing the installation of grey and acid rot ;
- ▶ no risk of sun scorching as the work is carried out during a period when the temperatures are lower and the rays of the sun are less aggressive. With this early exposure to the sun the skin has time to get tougher and the grapes are then no longer susceptible to sun scorching. It is therefore possible to remove leaves on both sides of the rows..



Mechanically, the model manufactured by **COLLARD** is the only machine capable of leaf removal at the time of the setting of the fruit.

Other advantages

- ▶ The bunches are cleaned by the removal of dead flower heads and vine moth worms. The aeration of the fruit zone and exposure of the bunches to the sun prevent rot and improve the efficiency of treatments. The green harvest is easier ;
- ▶ EARLY leaf removal is an operation of consequence for the wine quality ;
- ▶ The **COLLARD** pneumatic system also removes leaves from the interior of the rows whereas vacuum systems only remove the leaves from the outside.



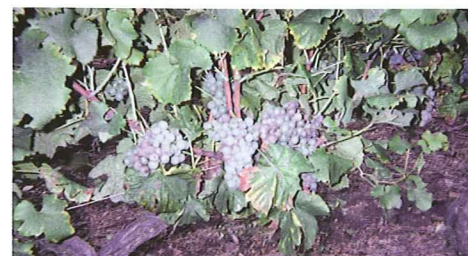
A REMARKABLE EFFICACY

FROM THE FALLING OF THE FLOWER HEADS TO THE HARVEST :



FRUIT SETTING

- Leaf removal on one or both sides.
- Cleaning of the bunches of grapes.
- Elimination of dead flower heads.
- Facilitates localised treatments.
- Discourages botrytis and budworms.



RIPENING

30 to 45 days before harvesting.

Red wine varieties : improvement in colouring matters and tannins.

White wine varieties :

- Dry white wines : improvement in the sensory qualities of the wines.
- Sweet white wines : possibility of successive selective harvests.



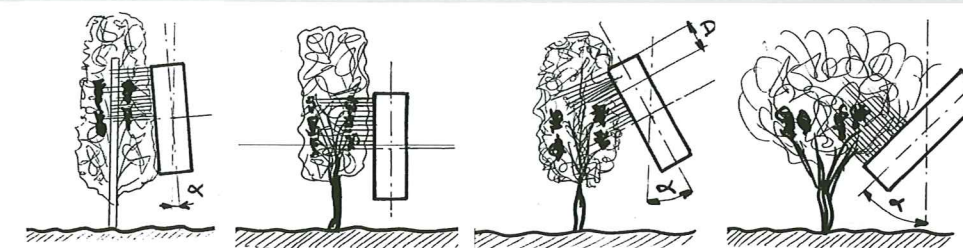
HARVESTING BY HAND

- Removes the leaves.
- Removes moisture.
- Cleans the fruit zone and frees the fruit.
- Time saving of 25 to 40 % !

EASY ADJUSTMENTS



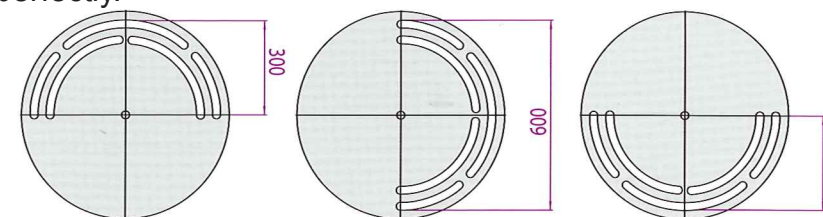
The defoliating head is adjustable in angle.



A RANGE OF 3 DEFOLIATING HEADS

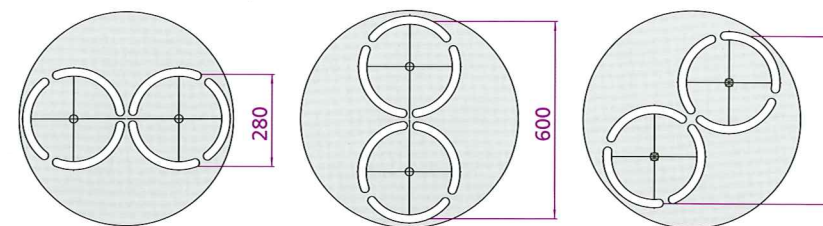
▶ Element 180° with DOUBLE FLOW* OF AIR :

Thanks to the rotation of the element, the height of defoliation is adjustable from 30cm to 60cm. This element 180° with double flow* of air makes it possible to adjust the defoliating zone perfectly.



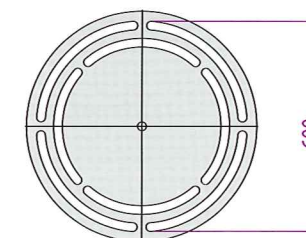
▶ Element «TWIN ROTORS» with MULTIPLE ROTORS* :

This **TWIN ROTORS** works with lower pressure, the power absorptive by the machine is reduced. This process with **MULTIPLE ROTORS*** makes the particles of leaves less volatile. This system makes it possible to work with a particularly high speed.



▶ Element 360° with DOUBLE FLOW* OF AIR :

Equipped with a fixed height at 60cm, this element with double flow* of air is particularly appreciated for the simplicity of its adjustments.



* **COLLARD** Patent