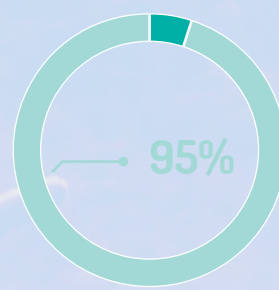
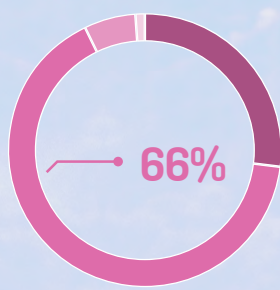
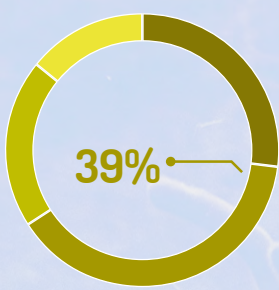
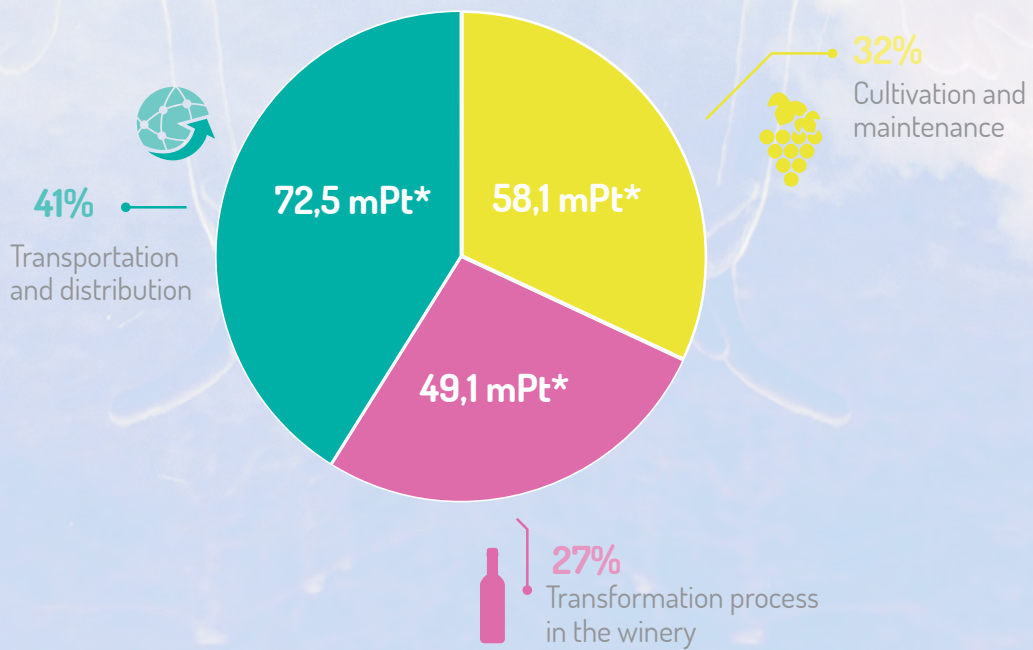




# LIFECYCLE OF AXIAL VINOS\* WINE BOTTLE

\*AXIAL VINOS: La Granja 360 Wines Company

## % CONTRIBUTION OF EACH PHASE OF THE LIFECYCLE TO TOTAL ENVIRONMENTAL IMPACT



- 27% Maintenance works & harvest
- 39% Fertilizers & pesticides
- 20% Watering
- 14% Other materials

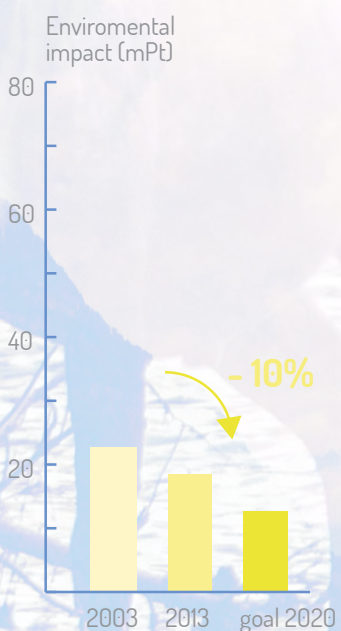
- 27% Processes
- 66% Bottling
- 6% Air-conditioning
- 1% Lighting

- 5% National
- 95% International
- \* Considered exclusively Axial Vinos model of distribution

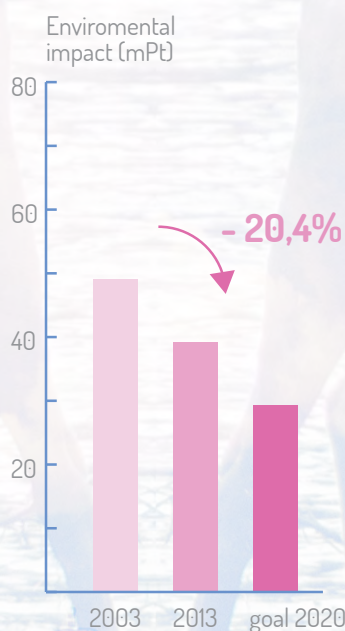
### Total environmental impact of AXIAL VINOS wine bottle lifecycle: 179,1 mPt\*

\* Methodology of impact analysis: Eco-indicator' 99 (AKA Eco-indicator' 99). This method is based on a weighting coefficient enabling the calculation of a single value - 'eco-indicator' measuring the environmental impact. It is measured in 'milipuntos (mPt)'. 1 mPt represents 1 hundredth of the environmental charge of the average European. The bigger the Eco-indicator, the higher the environmental impact.

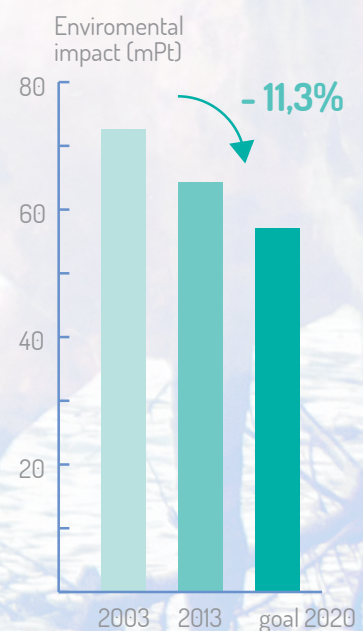
### MAIN FIELDS OF ACTION ACROSS ENVIRONMENTAL IMPACT: GOAL 2020



- Average use of pesticides in 2003
- Average use of pesticides in 2013
- Goal 2020: Reduction of 10mPt compared to 2003 (38%)



- Use of recycled glass in 2003 (33%)
- Use of recycled glass in 2013 (66%)
- Hot-spot 2020: 100% bottles reused



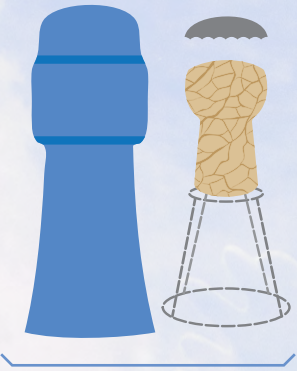
- Average bottle weight in 2003: 700 g
- Average bottle weight in 2013: 500 g
- Hot-spot 2020: Weight reduction up to 50%

# ON-PACKAGING SUSTAINABLE ACTIONS

WE SELECT OUR DISTRIBUTORS TAKING INTO ACCOUNT THEIR ENVIRONMENTAL POLICY

## CAPSULE+CORK

La Granja 360 Cava bottles



5,2%

## SCREW CAP

La Granja 360 Wine bottles



94,8%

### POLYLAMINATE CAPSULE

- The materials consist of AL+PVC+AL
- Withdrawal of capsules in special containers so aluminium can be reused

### PRINTED DISCS

- Material: Aluminium (Al) Recyclable material
- Printing: inks free of heavy metals or levels well below the maximum allowed level

### CORK

- 100% Biodegradable

### TRADITIONAL TWIST FREE BELT WIREHOODS

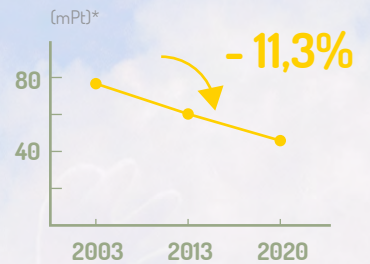
- Material: Aluminium (Al) Recyclable material
- The wirehood is essential to complete the covering of a bottle of cava so that it can only be used once.

### SCREW CAP

- 1 PIECE: less production = -CO2
- Material: Aluminium (Al) Recyclable material
- We encourage the use of screw taps when quality requirements allow it

## BOTTLE

- Selecting bottles with as less weight as possible to minimize the product's carbon foot print



- Since 2003, the environmental impact of the production proces has decreased by 11,3% due to reduced bottle weight
- The goal for 2020 is to reduce bottle weight by 50% in comparison to 2003

\*(mPt):

Unit to measure environmental impact . 1 Pt represents 0,01 of the environmental burden of an average European citizen.

## LABEL

- Raw materials: virgin cellulose pulp
- Printing: Inks free of heavy metals or levels well below the maximum allowed level
- Adhesive SH6020. Certified for direct contact with low-fat foods

## CASES

- Raw materials: Craft paper and coating made of pulp coming from BIO-SUSTAINABLE FORESTS
- Printing: Water-based inks - those who contain heavy metals are acceptable according to the rules 11/97

