

THE 33 BEST PRACTICES OF BORDEAUX VINAM

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GOOD PRACTICE N°1: CORPORATE RESPONSIBILITY (CSR)

Corporate Social Responsibility is the implementation of sustainable development by companies: a company that engages in CSR aspires to have a positive impact on society and to respect the environment while being economically viable.

This transversal approach results in a non-exhaustive set of virtuous behaviours.

In 1999 the Château La Salagre was certified organic: 20 years and 5 additional organic certified castles later, Bordeaux Vineam joins the first CSR steering group of the Comité Interprofessionnel des Vins de Bordeaux (CIVB).

This voluntary commitment allows us to evaluate, improve and highlight our performance around 7 pillars:

- Economic
- Social
- Environmental
- Viable
- Sustainable
- Liveable
- Fair

GOOD PRACTICE #2: RESPONSIBLE HUMAN RESOURCES MANAGEMENT

Bordeaux Vineam's corporate culture is based on strong moral values:

- o Ensure safe and fulfilling working conditions for its employees
- o To be philanthropists and benevolent in our commitments to our colleagues, our neighbours and consumers,

It is with these values that we approach Human Resources:

- Safety:
 - o Creation of "safety data sheets" to support regular training
 - o Modulation of hours of employment and hours of work according to weather conditions
 - o Investment in modern tools and machines that promote safety and ease of work
- Health
 - o Purchase of high-end workwear, rain and PPE
 - o Health Add-on Contract with Maximum Options Subscription
 - o 50% participation on the total health contribution
- The organization
 - o Creation of accurate job cards and inherent performance indicators
 - o Creation of multi-purpose tables
 - o Shift to 37 hours following all-staff vote
 - o Annual work modulation schedule
 - o Presentation of the biennial executive review to the entire group
 - o Setting up regular HR permanences on the different properties
 - o Annual audit of employee satisfaction with their management
- Continuing education and training
 - o Annual Professional Evaluations
 - o Annual individual interviews
 - o Annual training plans
 - o Reasonable and clearly established customized annual targets
 - o Reception of trainees and alternance students
 - o Encourage their hiring where appropriate
- The "plus"
 - o Business lunch in June
 - o Business day in December
 - o Biennial distribution of the latest productions: wines and honey

- o Salaries significantly above the collective agreement
- o Participation in mobile phone costs

GOOD PRACTICE #3: BIODYNAMICS

This 100-year-old method of agricultural production is the ancestor of organic agriculture. It considers the farm as a whole as a diverse living organism, autonomous and implanted in its environment.

Biodynamics is based on two key words: harmony and observation. The ambition of this mode of cultivation is to:

- Enhance soil fertility and health by restoring balance between different kingdoms (animal, human, plant) through better observation of the organism.
- Nourish the soil and nourish people with respect for life, natural rhythms and the land

Biodynamics is based among other things on the use of biodynamic preparations.

The reclamation of the land received as a legacy for future generations is one of the primary values of Bordeaux Vineam. This is why we have been members of the Biodynamic Agriculture Movement since 2016.

- Participate in local biodynamic preparation days
- We energize and spray biodynamic preparations based on observation of our vines, natural cycles, weather conditions and, where possible, cosmos rhythms
- We promote diversity of landscapes and the return of life in our vineyards

Biodynamics is a regenerative practice. The signal sent by the energized preparations intensifies the microbial activity of the soils and makes them evolve towards the formation of humus thus increasing the reservoir of nutrient and water to draw the plant.

GOOD PRACTICE #4: BIO

The charter of Organic Winemakers of Aquitaine can be summarized as follows:

- Preserving the Earth's life and resources
- Produce high quality wines
- Maintain a dynamic rural fabric, creating jobs and guaranteeing know-how
- Protect everyone's health: employees, residents, consumers and citizens

The commitment of organic agriculture is:

- Non-use of synthetic chemicals and genetically modified organisms,
- Recycling of organic materials,
- Biological control, including preventive methods.

If organic viticulture corresponds to the vision of Bordeaux Vineam it is because this mode of production respectful of the environment allows to maintain and to improve the fertility and the structure of the soils. It promotes biodiversity and helps preserve water and air quality.

It is also an optimistic and philanthropic mode of production for our employees, neighbours, ecosystems and consumers.

Finally, it is an agriculture that has faith in the future and is in fact opposed to outsourcing by choosing to spend more on local labour and less on imported chemicals.

GOOD PRACTICE #5: LIMITING INPUTS IN GENERAL AND SULPHITES IN PARTICULAR

The wine proceeds from the alcoholic fermentation of fresh grape juice: the consumer is attached to this notion of a product without additives, derived from grapes only.

The organic practices that we implement at Bordeaux Vineam go in this direction because they are very restrictive in terms of inputs. And biodynamic practices even more.

Sulphur dioxide is an antiseptic and antioxidant input that is widely used in the food processing industry. Its use has become widespread in oenology but is not inevitable if the oenologist gives himself the means.

Since 2015, Bordeaux Vineam has been involved in the production of sulphite-free wines. Certainly the production of wines without sulphites is more restrictive and demanding; certainly the wine is the object of constant attention; certainly the technical routes require reflection and creativity. But it's worth the risk because the wines without added sulphites are fresh, fruity and festive.

As for their conservation, let us not lend to the sulphites virtues which they are not provided for. In wine, acidity acts as a preservative: without sulphites, our wines are naturally preserved.

GOOD PRACTICE #6: AGRICULTURE WITH HIGH ENVIRONMENTAL VALUE (HVE)

The environmental certification of agricultural holdings recognises farms engaged in particularly environmentally friendly approaches.

Level 3 of this certification is described as "High Environmental Value": it is based on the implementation of biodiversity outcome indicators, phytosanitary strategy and fertilizer management.

Our commitment to sustainable and respectful agriculture was concretized by obtaining in 2018 the HVE certification of level 3 of all the properties of Bordeaux Vineam.

These good practices are today the daily activity of our colleagues and allow us to better manage and manage our impact on the environment.

GOOD PRACTICE #7: SIMPLIFIED CROPPING TECHNIQUES (TCS)

Deep ploughing, sometimes done at the wrong time or with inadequate tools, has many negative impacts on the soil: deconstruction, compaction, erosion, reduction of organic matter... They transmit disease and are particularly energy-intensive.

In addition, without cover to protect it, the land exposed is directly subjected to solar radiation that will heat it, dry it and seriously harm its biological activity.

The fundamental principle of the simplified cultivation technique is the absence of tillage – if not partial and/or superficial. By refusing to leave the land bare, TCS can fight against erosion. Plant debris littering the soil promotes both soil fertilization and the development of micro-fauna. They preserve soil moisture and promote the development of earthworms,

which air and loosen the soil.

TCS also significantly reduces CO2 emissions.

Thanks to TCS, the soils of the Bordeaux Vineam vineyards are back alive, aerated and healthy, in a word, conducive to biodiversity. In fact, the vine has its natural allies: fungal attacks are less virulent and require less phytosanitary treatments.

GOOD PRACTICE #8: GREEN FERTILIZER

“Green Fertilizer” interline seeding is an ancestral practice used in many cropping systems: planting a crop to increase soil fertility.

Without the use of herbicides, which is a “vacuum viticulture”, this technique promotes “life-long” agriculture by planting mixtures in spring and before harvest:

- Allelopathic crucifers that will inhibit the growth of quack grass,
- Legumes that fix the nitrogen in the air that will then be consumed by the vine,
- Grains with a fasciculated root system that will promote better soil aeration.

Since 2017, Bordeaux Vineam has taken the initiative to plant plant cutlery in the vine rows. The latter store carbon, promote nitrogen recycling and oppose leaching. They protect the soil from threshing and erosion, feed microfauna and boost biological activity while controlling unwanted grasses.

By alternating seedlings, Bordeaux Vineam creates an environment favourable to the development of insects, limits parasitic risks and the transmission of diseases while reducing the use of phytosanitary products

GOOD PRACTICE #9: DIRECT SEEDING UNDER COVER

How do I sow green fertilizer (Good Practice 7) without tilling (Good Practice 6)?

It is indeed customary, before sowing, to prepare a bed of seeds by means of tillage operations carried out using tools harnessed with teeth, spikes, discs...

The primary objective of these operations is to obtain a soil condition that is favourable to the germination and emergence of crops. But working the ground is bad for him.

Since 2018 Bordeaux Vineam sows in all its properties without preparing a seed bed thanks to the «direct seeder under cover». A tool made in France equipped with a disc that traces a fine groove on the ground in which a finger deposits a seed at regular intervals. A terrage wheel will then close the groove to improve soil contact with the seed.

Virtuous in many respects this practice also induces time and energy savings.

GOOD PRACTICE #10: MULTIPURPOSE AGRICULTURAL MACHINERY

Although the operating expenses of a hectare of vines in organic and non-organic agriculture are substantially identical, the cost structure is different: organic agriculture requires less expensive chemicals but more labour and passages.

For the organic producer the challenge lies in a thoughtful management of the second in order to limit the first.

At Bordeaux Vineam we decided to equip our tractors with at least two separate tools that

work together in a single pass: at home, working with one tool is no longer an option. This practice offers many virtuous induced effects:

- Lower fuel consumption
- Limiting greenhouse gas emissions, material wear and soil compaction
- And above all, the work of tractorist becomes more complex, more technical. We train our tractorists accordingly. They acquire new skills and these are valued.

At the turn of this good practice we will take the opportunity to twist the neck to a common idea that by making more passage the organic farmer emits more greenhouse gases (GHG) by Ha than a non-organic producer:

1. Organic agriculture does not use chemical nitrogen fertilizers (it takes about 1 kg of oil equivalent to make 1 kg of nitrogen in the form of chemical fertilizers) and very few other inputs, its contribution to GHG emissions is about halved compared to that of non-organic agriculture.

2. Conversion to organic increases the composition of organic matter in soils: the latter sequester about 1650 kg of CO₂ per hectare and per year in addition.

GOOD PRACTICE #11: ACCESS TO NEW TECHNIQUES AND TECHNOLOGIES

If organic farming pleads for the rediscovery of the virtuous practices of our forefathers it does not advocate a return to the Middle Ages.

Without curative products to protect its harvest and in the face of increased climate risks, Bordeaux Vineam is giving itself the means to sustain its economic activity by equipping itself with cutting-edge technologies:

- Online agricultural warning networks,
- Smartphone connected weather stations
- Latest generation tangential sprayers
- Integrated hail control solution
- Use of Freeze Towers
- On-board electronics tractors with automated speed calculations, flow rates and settings

We are always on the lookout for new products and regularly carry out tests: autonomous mechanical weeding robots, drones to detect diseases, vigor, missing feet etc...

If he has his feet in the ground, the organic winemaker's gaze is resolutely turned towards the future.

GOOD PRACTICE #12: PROTECTIVE HEDGE INSTALLATION

The hedges are the backbone of a green web and a factor of stability of the agroecosystem: they moderate the effects of the climate, regulate the development of the predators of the vine by housing the species that are useful to it, limit the transfer of pollutants to waterways and ditches, promote the infiltration of water into water tables, protect against erosion and diversify the landscape.

The association Arbres et Paysages en Gironde acts in favour of the field hedge and its reintroduction in our agricultural systems.

In association with her, Bordeaux Vineam has been planting several hundred metres of protective hedges every year since 2016: a skillful blend of different species, Pedunculate Oaks, Rural Maple, Prunelliers, Hawthorns, Myrobolan Plums, Wild Apple Trees, Common

Charms, Blood Dogwood, Wild Pear Trees, Torminal Alisiers, Wood Troènes, Common Hazelnuts and Saint Lucia Cherry Trees.

A single watchword: respect for plants, the use of local species and the reclamation of biodiversity.

GOOD PRACTICE #13: AGROFORESTRY

Agroforestry refers to the set of agricultural practices that integrate the tree into the production environment, and are based on the forest model.

The latter has no input other than the mineral salts extracted from the parent rock, CO2 and nitrogen from the air. The soil is only worked by earthworms, never exposed and its biodiversity offers better resistance to diseases. The tree is also a climate damper and a major lignin producer that will be metabolized by fungi whose presence ensures the stability of the soil.

In 2019 Bordeaux Vineam planted 122 trees of 9 varieties as well as 215 m of hedges on a plot of 3 ha to conduct its own life-size agroforestry trials.

The induced effects are numerous: better use of resources, restoration of soil fertility, return of biodiversity, water pollution, carbon storage without forgetting the diversification of landscapes.

GOOD PRACTICE #14: SIGNATURE OF THE NATURA 2000 CHARTER, PROTECTION OF EUROPEAN MINK AND OTHER ENDEMIC SPECIES

Protecting ecosystems and their balance is at the heart of our values. Protected since 1972, the European mink has experienced a decline in its range of more than 50% in less than 20 years through habitat degradation, water pollution and trapping for its fur.

As part of our eco-responsible commitments, the Château Grillon adheres to the Natura 2000 programme: a protection area designed to encourage the protection of the natural habitats of endemic species.

Located less than 200 metres from the Cirons, a tributary of the Garonne, this area is home to a population of mink from Europe.

Through this initiative, Bordeaux Vineam becomes a recognized player in the conservation of biodiversity.

GOOD PRACTICE #15: SETTING UP HIVES

Bee foraging from flower to flower does not just produce honey. Its role is essential in more than one way:

- Maintains plant biodiversity by participating in the reproduction of more than 80% of plant species
- Provides crop quality for more than three-quarters of the world's crops
- One third of the world's resources are the result of pollination

For many years now, the bee population has been decreasing and the hives have been empty. It's called "Bee Colony Collapse Syndrome". The problem is the chemical pesticide cocktails, of course, to which are grafted the attacks of parasites and predators, the modification of landscapes, urbanization and the scarcity of resources, climate change.

In Biodynamia we consider the farm in its environment.

This is why, although the hermaphroditic flowers of the vine do not require pollinating

insects, Bordeaux Vineam has beehives since 2018, in the wood of Bouqueyran cis at the castle Moulin à Vent.

GOOD PRACTICE #16: PLANTING 50 DIFFERENT INDIGENOUS PLANTS

The world reputation of the red wines of Bordeaux was based on the art of blending. The latter comes from 6 main grape varieties but is generally the focus of Merlot, Cabernet Sauvignon and Cabernet Franc.

The wine producers of Atlantic Country have the choice between 50 grape varieties: local, regional, national or European they offer unlimited possibilities of assembly.

In 2018 Bordeaux Vineam planted 50 grape varieties on a plot of 3 hectares with the aim of producing a unique cuvée.

This practice has virtuous induced effects:

- Explore and value the riches of our Atlantic terroir
- Participate in efforts to adapt the vineyard to climate change
- Promoting biodiversity as a fundamental pillar of our commitment

GOOD PRACTICE #17: INTRODUCTION OF EWES FOR GRAZING

La Ferme des Itinérants is a structure launched by the shepherds Sébastien Gilly and Soazic Landais. In April 2019, they brought together 150 ewes, including an endangered species, Sasi Ardia, the ewe of the brush, to maintain the banks of the Ciron.

Since 2018, they have come to weed the outskirts of our Château Grillon property.

A win/win partnership: by cleaning our rows and alleys the sheep find in our vines a consistent forage resource, free and free of synthetic chemicals.

Can we imagine a more virtuous enterprise than the one of replacing the machines with the Living one? And the induced advantages are numerous:

- Better water and soil quality
- Organic matter input
- Reduction of mechanical passages and soil compaction
- Visual harmony in the wine landscape
- Boosting collaboration between the local sheep and wine industry.

GOOD PRACTICE #18: WATER POINT CREATIONS

The planting of vines by our elders was often done with great drainage reinforcement of the plots, artificially diverting the sub-terran sources.

Natural water points have disappeared, driving the flora and fauna that used to drink from our landscapes.

A promoter of biodiversity and natural symbiosis, Bordeaux Vineam works to recreate water points from natural sub-terran sources or from the low points of some plots.

The vines around the mouillères are systematically torn off. Water points are dug and embellished with local tree species in order to create living spaces for deer, rabbits, kestrels etc...

GOOD PRACTICE #19: RAINWATER COLLECTION

Water is a natural wealth that we have never really taken into account since it is so accessible in our latitudes. But repeated episodes of summer dryness show how much we depend on this manna: saving is a duty.

It is also a strong commitment of companies with High Environmental Value.

This is why Bordeaux Vineam equips all of its tank properties connected to the roof gutters of its numerous buildings.

This non-food water is used for cleaning agricultural tractors and tools, watering seedlings and treatments.

An environmental benefit that allows a 30% reduction in water supply costs

GOOD PRACTICE #20: DEMATERIALIZATION

In France it consumes 300 kg of paper per second and sorting ensures a recycling rate of only 20% in business.

At Bordeaux Vineam we consider it better not to use paper rather than recycle it. We therefore took the position of dematerialization:

- The control circuit,
- The payment flow,
- Customer invoices,
- The circuit of leave requests and CPR,
- Traceability in the cellar and vineyard,
- Supplier invoices... everything is dematerialised through ad hoc software and portable applications.

As with any good practice, the effects are also virtuous: time savings, more loss of documents, savings on fax costs, mail, copiers, ink, etc.

GOOD PRACTICE #21: SINGLE STORAGE SITE

All Bordeaux Vineam wines are bottled at the property and then transferred internally to our logistics platform. The latter is temperate and secure.

The wines are stored there in Tiré-Bouché to be taken back according to orders.

This centralization is very virtuous:

- A dedicated and responsive team of professionals works full time every day of the year to better serve our customers
- Modern, safe and ergonomic equipment for bottle washing, labelling and packing ensures the preparation of 10,000 bottles a day
- The implementation of ISO, HACCP and VACCP production, traceability, control and shipping procedures contribute to the best training and professionalization of our teams

This centralization offers our customers the possibility to consolidate in the same place the mixed loads of 12 AOC bottled at the castle: this facilitates their logistics, lowers their transport cost and reduces their carbon footprint.

GOOD PRACTICE #22: STORAGE SITE THERMAL INSULATION

To age properly without damaging the wine requires a constant storage temperature. The isolation of warehouses is therefore imperative but the inherent investments are expensive.

Owner of 6 castles in Aquitaine Bordeaux Vineam has decided to centralize its entire production on a single storage site that can accommodate more than 1.5 million bottles. Important insulation works now allow our wines to be stored in the best conditions.

Like all virtuous practices, this insulation offers induced benefits: lower energy consumption and limit our carbon footprint.

GOOD PRACTICE #23: BUILDING SECURITY AGAINST INTRUSION

There are in France no less than 50,000 burglaries in company per year.

One of the major axes taken into account by a company committed to Social Responsibility is economic viability.

However, in economic terms, burglary is the double penalty: the loss of a stock that took a season to produce and the loss of a clientele that took several years to build.

It is in this concern for economic viability that Bordeaux Vineam has decided since 2015 to ensure the safety of all the buildings of the group by setting up an early and reliable detection of intrusions:

- Motion detection to monitor crossings, offices and sensitive areas
- Joint management of different sites via a monitoring application
- Immediate deterrence in case of break-in (siren)
- Remote monitoring to dispatch a response team if required

GOOD PRACTICE #24: OHS TRAINING

Every year no less than 50,000 industrial accidents have affected employees in the agricultural sector. However, in the event of an accident at work, the remoteness of our production sites delays the arrival of rescue services.

Occupational First Aid Rescuer (OHS) training provides a quick and effective response to a workplace accident. This training allows to acquire the knowledge to bring the first aid and the conduct to hold while waiting for the arrival of the relief.

Like any good practice that is respected, these training courses taken in the professional setting can be life-saving, if necessary, in everyday life

GOOD PRACTICE #25: SMI - HQSE

The Integrated Quality Management System – Hygiene, Quality, Safety, Environment – is a set of tools and methods aimed at optimizing the effectiveness, efficiency and excellence of the production processes and the overall functioning of the company.

- Ability to detect and escalate malfunctions
- Be able to respond to problems in a corrective and preventive manner

- Set up a dashboard with reliable and relevant indicators to manage the company
- Clearly define the responsibilities of each stakeholder
- Continuous improvement
- Document management

After having certified ISO 9001 all its properties on a 3-year cycle from 2018 to 2021 Bordeaux Vineam maintains a high level of requirement by keeping the SMI at the heart of its corporate culture. Therefore the group:

- Increases the quality of its wines and service for better customer satisfaction,
- Benefits from productivity gains,
- Work in a more serene environment

GOOD PRACTICE #26: REAL-TIME DEMATERIALISED TRACEABILITY

The traceability obligation for foodstuffs is established by Regulation EC 178/2002 of 28 January 2002.

The primary objective is to be able to identify a product so that it can be removed very quickly and with maximum safety in the event of a food safety problem.

True to its strategy, which aims to be a pioneer in the use of new technologies, Bordeaux Vineam has equipped all of its teams with traceability smartphone applications since 2015. In the vineyard each tractorist seizes daily the activities he has carried out, with which tractor, which tool, on which plot and with which yield. It also mentions the type of product used, at what dose and its lot number.

The same goes for pedestrians in the vineyard and colleagues in the cellar or warehouse. The data is transferred daily to a remote server and then checked before being permanently saved.

Virtuous, this traceability tool also allows:

1. Monitor performance indicators in real time
2. Establish pay stubs through a simple extraction of the hours entered
3. Analyse expenditure per job and deduce from it strategies for training, investment or hiring of permanent or seasonal staff

GOOD PRACTICE #27: QUALITY CONTROL OF PULVERIZATION

The organic farmer undertakes not to use synthetic chemical curative products: once the disease is established no control is possible. Without systemic curative phytosanitary means it can only rely on good preventive practices. Among these he has the spray of products of natural origin from the living or the mineral world.

The action of these so-called «contact» products requires an absolute spraying quality ensuring the protection of the plant.

As protectors of ecosystems and their balance, promoters of biodiversity and natural symbiosis, Bordeaux Vineam is aware of the impact of its activity on the environment. Limiting the use of inputs is indeed one of its major concerns.

This limitation requires a better control of the quality of the spray. The commitment of Bordeaux Vineam is threefold:

- Regular investments in face-to-face precision sprayers
- Annual control of all sprayers in the spring
- Annual team training on good spraying practices
- Systematic installation of sensitive hydro-paper prior to each treatment

From this virtuous practice derive a more effective protection of the vine, a limit of the drift, a decrease of the quantities of inputs and consequently of our costs.

GOOD PRACTICE #28: GREL CONTROL

In 10 years hail episodes have increased by 360% in France. Over a period of 5 years 9 out of 10 farms will be affected by this scourge. Damage is often dramatic and can put farms at risk

However, one of the major concerns of a company committed to Corporate Social Responsibility is economic viability.

This is why Bordeaux Vineam has invested in an integrated solution consisting of a storm hazard detection system and an active hail control solution.

Mounted in CUMA this investment allows the detection of thunderstorms and the activation of the active control system by seeding of clouds by intelligent anti-hail balloons inflated with helium.

The hygroscopic salts used are non-toxic, natural, of mineral origin, and dispersed at very high dilution rates.

And since the clouds do not recognize the cadastre, it is the neighbours who benefit from the positive effects induced...

GOOD PRACTICE #29: ANTIFREEZE CONTROL

The other major climate hazard in our latitudes is the spring freeze.

Always with a view to ensuring the economic viability of its business Bordeaux Vineam acts on four levels:

1. We equip our most frozen parcels with wind towers. The latter protect the vine thanks to the climatic phenomenon of "thermal inversion": during the day, the sun heats the soil surface, plants and trees. This hot air rises and creates an energy reservoir for a height of 10 to 25 m. At night, the air on the ground becomes colder than the air at 15 m high. Windmills mix cold air and hot air. At the plant level, the temperature increases sufficiently to limit any damage caused by frost.
2. We cut in March the most frost-free parcels
3. We spray valerian on days of frost
4. We have a multi-peril vineyard insurance policy for all our properties

Wind towers, which are not very noisy and only operate for 2 to 3 days a year, could contribute to damage to our neighbourhood relations. It is a strong value of our group to maintain cordial relations with those around us. This is why we have invested in folding equipment: once the frost has passed the towers are retracted giving the landscape its original beauty. And the neighbors are smiling.

GOOD PRACTICE N°30: ORGANIZATION OF PEDAGOGICAL DAYS FOR CHILDREN

Wine has shaped our culture and clothed different symbols in every civilization preceding ours.

From the Egyptians to the Romans and Greeks, wine was associated with the Gods and myths.

All the symbols that punctuate life from birth to death pass through: tree of life, fruitfulness, pleasure, truth, philosophy...

His heralds, from Noah to Baudelaire and Omar Khayyām, as well as his learned Pasteur, Peynaud and Dubourdieu, and his ambassadors are legion.

Wine rejoices us, exalts our passions and softens our sorrows.

Neither essential food nor strong alcohol, wine still has a rich cultural symbolism, combining religion and spirituality, agriculture and tradition, luxury and art of living. It is also a subject of recurring controversy because irresponsible consumption of alcohol is a major public health problem and domestic violence in particular

At Bordeaux Vineam we know that we are legatees of this agricultural practice that has shaped our culture.

It is therefore invested with a duty of transmission and responsibility that we invite each year:

- Primary schools to plant trees, make meadows and install bat boxes
- Secondary school students prepare horn dung, harvest and bottle their wine 9 months later with their families.

On this occasion, we offer the students an introduction to viticulture and winemaking. We make them aware of the risks of workplace accidents and the dangers of alcohol to the developing brains of young people and adolescents. Finally, we commit the accompanying persons to moderate consumption.

Provided in an organic structure, this practice has the virtue of reconciling citizens with the agricultural world in general and wine in particular.

Far from the alarmist reports that cast shame and mistrust on our profession

GOOD PRACTICE #31: CUMA, UNIONS AND EMPLOYER GROUPING

Bordeaux Vineam is involved with its co-religionists in various groupings:

- CUMA for wastewater reprocessing, anti-freeze towers and hail control
- Employer Groups
- CIVB CSR Steering Group
- SME du Conseil Interprofessionnel des Vins de Bordeaux (CIVB)
- Organic winemakers from Nouvelle Aquitaine
- Biodynamic Agriculture Movement
- Defence and Management Organizations - INAO
- FDSEA

Member of a changing wine-growing community Bordeaux Vineam is convinced that the viticulture of tomorrow will be a solidarity: the CUMA are sources of savings and the employer groups boost the job market and offer stability to employees.

These groups allow us to exchange, learn, help each other and make decisions in the public

interest.

These good practices also contribute to creating social ties in often neglected territories.

GOOD PRACTICE #32: DE-DENSIFICATION

Excessive productivity has shown its limits: by concentrating in large spaces the same species as far as the eye can see, parasites and pests have also been concentrated, wooded spaces, water points, natural habitats have been destroyed... in a word, biodiversity. Nothing seems to oppose the intensification of our countryside.

The vines do not escape this phenomenon, even if it means planting rows – the Azones – 10, 5 or 2 feet long!

Since 2015, Bordeaux Vineam has embarked on the de-densification of its vines by systematically eradicating the plants: trees are planted, flowering fallow land is sown, water is dug... Sometimes we don't even do anything about it!

The induced virtues are numerous:

- More dangerous manoeuvres for tractorists
- Better work efficiency
- Diversifying the landscape...
- ... and the wildlife it supports

GOOD PRACTICE #33: BIODIVERSITY INVENTORY

Our mission is to protect ecosystems and their balance, biodiversity and natural symbiosis, and we must implement a series of good practices.

However, we must ensure that they are legitimate.

The inventory of regularly spaced plant and animal species allows farmers to carry out long-term environmental impact audits.

In the context of the transition to organic and biodynamic it is an essential indicator of the relevance of the practices implemented.

In Bordeaux Vineam, inventories are carried out every three years by a trainee from the Purpan school.

In 2016 the properties managed in organic for 6 years had 9 times more arthropods per m² than the so-called conventional properties. At Château la Salagre (organic for 20 years) there were 19 times more.

In 2020 all our properties were organic: a porosity test (aerated soil = living soil) showed that the speed of water penetration into the soil was 200 to 300 times slower in recently converted properties than that of the Salagre.

These inventories reinforce our values of protecting ecosystems and their balance, and promoting biodiversity and natural symbiosis,

GOOD PRACTICE #34: GOOD RELATIONS WITH THE NEIGHBOURHOOD

Being philanthropists and caring towards our neighbourhood contributes to the corporate

culture of Bordeaux Vineam. We therefore have the strength to control the impact of our activity on our surrounding environment.

We therefore undertook to list all the neighbours.

The primary objective is to:

- Identify places and institutions with vulnerable populations
- Understand any inconvenience that is caused
- Introduce each neighbour to a dedicated partner in our company
- Showcase our corporate culture
- Present our Workbook to them
- Building a lasting and peaceful relationship

In a second phase:

- Inventory our farming neighbours
- Find out how they drive: organic? not organic?
- Obtain, as part of our organic certifications, their workbook

In agriculture neighbours are usually there for a long time: good relations are therefore a sine qua none condition for those who wish to embody an economic model that reconciles economic sustainability and social and environmental responsibility.

GOOD PRACTICE #35: WASTEWATER TREATMENT

Wine effluent is considered "mundane" waste that is not hazardous but can pollute the environment.

Therefore, all wineries are required to recover and treat their effluent.

Because improving the land inherited for future generations is the foundation of the values of Bordeaux Vineam. We are committed to controlling the quality of water released into the natural environment.

Our properties are therefore equipped with aerated lagoon stations coupled with reeds beds: the latter's root system is highly developed and houses an important bacterial flora that feeds on effluents and degrades organic matter.

These facilities require increased monitoring by our teams and guarantee an optimal quality of pollution control of the water released into the natural environment.