



Practising sustainability

Our own Path



Fürst Castell

Our own Path
Practising sustainability

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Lightweight glass



Regenerative viticulture



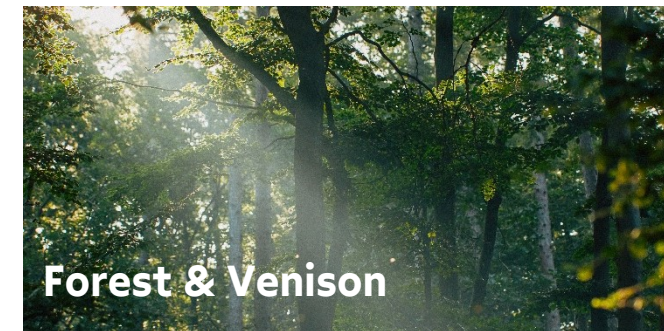
Cultural landscape
Forest. Wine. Fields.



Solar
Energy



Certification



Forest & Venison



Water treatment



Vegetable charcoal



Lavender planting



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Lavender & Herbs

Preserving the cultural landscape

Lavender /
mediterranean herbs

300
Plants



Lavender & Mediterranean herbs

We planted the first 300 Mediterranean herbs between some of our vineyard plots to create new habitats and preserve the cultural landscape.

Change / blossoming / diversity / life.





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Biochar

New life from old vines

1 ton of Biochar stores

3 Tons of
CO₂

and up to

5000 L
Water



Biochar in viticulture - pioneering work

Ron Richter advises and accompanies us on the way to our own biochar.

klimafarmer is a young company with a wealth of experience in the green sector.

The focus is on climate farming - a holistic approach that represents a regenerative and climate-friendly method of soil and green space management.

Pioneering work / partners / exchange



 klimafarmer®



New life from dead grapevine wood

Old vines are turned into biochar, giving new life to the vineyard soils. In the first step, the vines are shredded into wood chips.

Pioneering work / old vines / pyrolysis / CO₂ & water storage / soil / life.





Pyrolysis & energy recovery

Using the pyrolysis process, we process the vine wood chips into valuable biochar near Nuremberg.

Pioneering work / old vines / pyrolysis / CO2 & water storage / soil / life.



Biochar & humus soil

The resulting biochar is mixed with vital humus soil and left to rest, covered, over the winter months. In spring, the mixture is applied to the vineyard. The biochar stores valuable water and CO₂ in our soils.

Pioneering work / old vines / pyrolysis / CO₂ & water storage / soil / life.





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VITAL SOIL

Regenerative viticulture

Savings through
Humus build-up & sowing

3 Tons
CO₂ / Year



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WINE & FOREST

Terroir & wood maturity

Sustainable forestry

4.600

hectares



ClearFox[®]
www.clearfox.com

Fürst Castell

RESOURCES

Water treatment

Own
Water treatment
3.000.000
Liters / Year



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SOLAR ENERGY

Photovoltaics

Self-consumption

80 %

Year

Prevention

80 Tons

CO₂ / Year



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LIGHTWEIGHT GLASS

Wine bottles

Prevention

6 Tons

CO₂ / Year

30 Tons

Glass / Year



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Certification

EcoStep[®]
WEIN+

EcoStepWine+ certification

ECOSTEP WINE PLUS CERTIFICATION

DIN EN ISO 9001:2015
Quality management

DIN EN ISO 14001:2015
Environment management

DIN ISO 45001:2018 Health & Safety

DIN EN ISO 22000:2018 Food safety

German Sustainability Code - Criteria for
viticulture

Certification / Sustainability / Environment / Safety /
Health

Certificate

Within a certification audit the organization

Fürstlich Castell'sches Domäneamt e.K.

at the site
Schlossplatz 5, 97355 Castell.

has proved that an integrated sustainability management system was established and is successfully applied in accordance with the requirements of

**EcoStep
WEIN®**

The EcoStep Wine 5.1 PLUS system meets the industry-standard core requirements for a management system for

- Quality
- Environment
- Occupational health and safety
- Food Safety
- German Sustainability Code - Criteria for viticulture

for the following activity
Winery with own grape production, winery and marketing

This certificate is valid from 2024-01-10 until 2027-01-09.

Berlin, 2024-01-10


Prof. Dr.-Ing. Jan Uwe Lieback
Director


Andreas Lemke
Head of Certification Office



Nr. Q-23-24112-EN

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Appendix to certificate No. Q-23-24112-EN issued 2024-01-10

Information about the EcoStep Wine PLUS Certificate

EcoStep is an integrated, process-oriented management system for small and medium-sized enterprises. It meets the core requirements of the internationally recognised ISO standards for quality management, environmental management and occupational health and safety in companies.

Developed specially for the viticulture as an industry solution EcoStep Wine also considers the core requirements of food safety and industry-specific requirements such as HACCP (hygiene management in viticulture) and the requirement for traceability. This industry system was developed in cooperation with the Katalyse Institute and the Geisenheim University of Applied Sciences.

EcoStep is an integrated management system in the non-accredited sector. The verification of conformity regarding the core requirements laid down for EcoStep is carried out by an audit with appointed auditors from GUT Zertifizierungsgesellschaft für Managementsysteme mbH.

EcoStep is a practice-oriented alternative to the conventional ISO standards. Combined in one system, it uses the most important standard requirements of the following standards from an SME perspective:

DIN EN ISO 9001:2015 Quality management

DIN EN ISO 14001:2015 Environmental management

DIN ISO 45001:2018 Occupational health and safety

DIN EN ISO 22000:2018 Food Safety

German Sustainability Code - Criteria for viticulture

Through EcoStep, potentials for cost reduction are uncovered, controlling and indicator systems are implemented to support management and legal certainty is increased.

In this way, process orientation is promoted in companies and the basis for sustainable development is created by integrating the systems.



Andreas Lemke
Head of Certification Body

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