



EMAS DECLARATION

2021

VAL D'IZÉ SITE
(Ille et Vilaine, France)

Kwizda

Agro

2021 DECLARATION

According to REGULATION (EC) No 1221/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 25 November 2009 on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS), repealing Regulation (EC) No 761/2001 and Commission Decisions 2001/681/EC and 2006/193/EC, amended by REGULATION (EU) 2017/1505 OF THE COMMISSION of 28 August 2017 amending Annexes I, II and III to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS), REGULATION (EU) 2018/2026 OF THE COMMISSION of 19 December 2018 amending Annex IV to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS).

Kwizda France
Val d'Izé Site
ZA du Bourgneuf
Route de Dourdain
35450 Val d'Izé

N.A.F. Code: 4675Z
Declaration period: 2020

INTRODUCTION

This environmental declaration is published as part of the EMAS registration for the Biocides branch of Kwizda. In line with the group's sustainable development policy, we undertake to protect the environment and continuously improve environmental performances for our activities.

This declaration covers the information on the factory performance and the most significant impacts for 2020.

TABLE OF CONTENTS

06 The Company

08 Kwizda GmbH

09 Kwizda France - Val d'Izé Site Description

10 Our Key Numbers

11 Our Products

11 ICPE Status

12 Environmental Policy

14 Our Integrated Management System

15 Kwizda France Biocides QHSE Policy

16 Life Cycle and Environmental Aspects

18 Our Life Cycle Analysis

19 Our Environmental Analysis

20 Environmental Performance Data and Base Indicators

22 Energy Consumption

24 Rational Use of Raw Materials

25 Water Consumption

26 Waste management

27 "Biodiversity" Indicator

28 Air Emissions

29 Finished Products

30 Environmental Performance

32 2020 Program

34 Environmental Objectives 2021 Program

36 Applicable Legal Requirements in Environmental Matters

38 Environmental Declaration Validation

THE COMPANY

WE MEET THE REQUIREMENTS OF OUR CLIENTS
BY PRODUCING HIGH QUALITY, SAFE AND
ENVIRONMENTALLY FRIENDLY PRODUCTS



Kwizda
Espino

KWIZDA GMBH

The Kwizda group is an Austrian family-owned business that was founded in 1853. It has a turnover of 1 billion euros and 1425 employees.

Since the 1990s, the group has focused on increasing its European presence outside Austria, hereby covering the European market (France, Italy, Germany, Spain) and extending both its site operations and its distribution channels in Hungary, Italy and Romania.

Kwizda group is one of the leading Austrian distributors of pharmaceutical and phytosanitary products.

To complete its activities, the group decided to create Kwizda France, a Biocides skill center in France.

In 1994, Kwizda acquired a small French company specialized in biocides.

The activity grew considerably during the first few years. Currently, its headquarters in Versailles and its Val d'Izé production site employs 44 fulltime personnel, as well as a few temp agency workers for its annual production.

Our company, which is active in 37 countries, has based its strategy on supporting active biocide materials, the development of innovating insecticide formulations and the creation of strong commercial partnerships with quality distributors to cover the European market. Our main role is to offer our clients essential sets of key skills (regulatory, marketing, production, research and development) to convert the market's constraints into strengths.

KWIZDA FRANCE - VAL D'IZÉ SITE DESCRIPTION

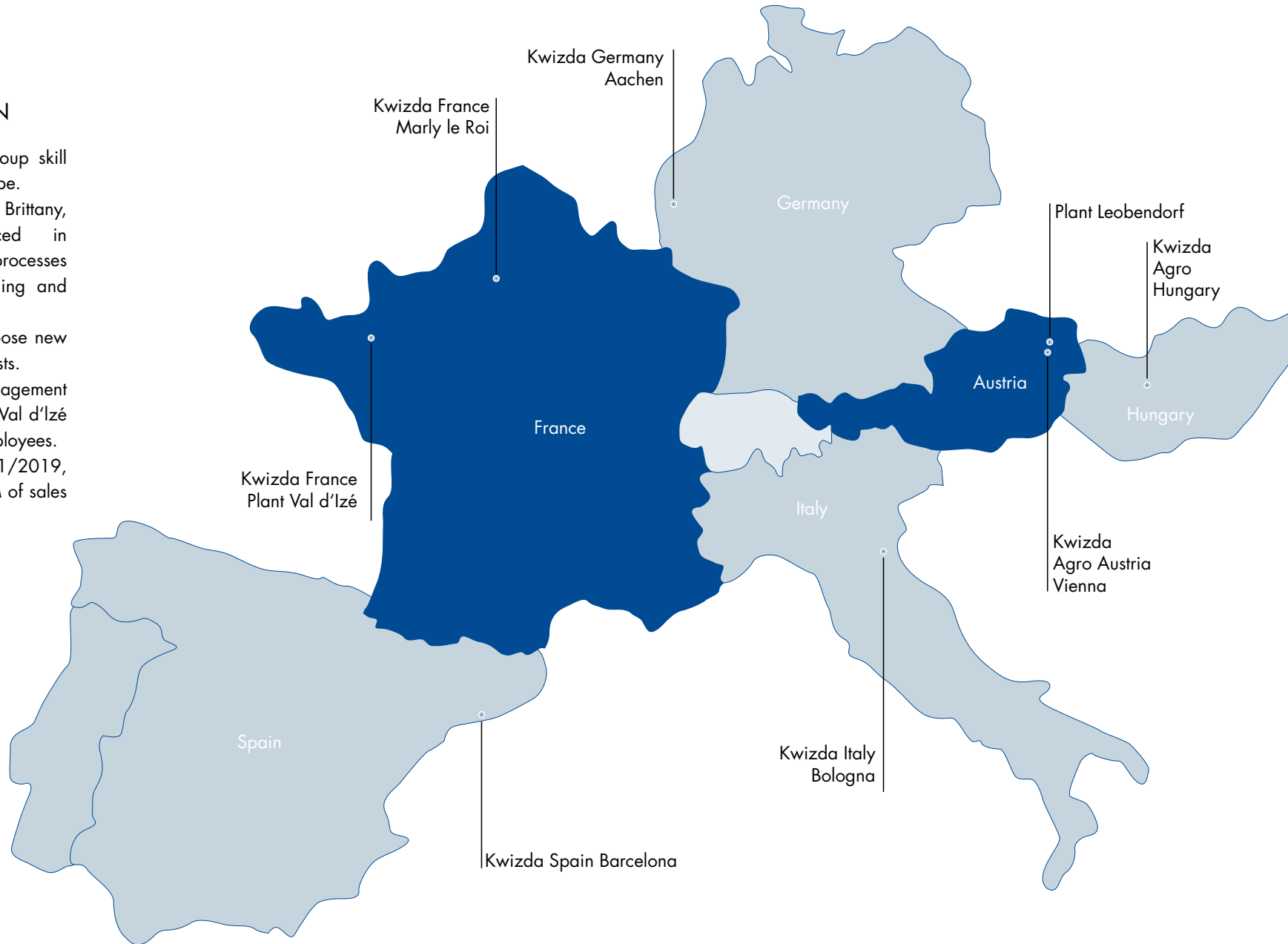
Kwizda France is the Kwizda group skill center for Biocide activities in Europe.

The Val d'Izé plant, located in Brittany, receives formulations produced in Leobendorf (Kwizda Agro) and processes product de-concentration, packaging and packing.

This flexibility means we can propose new packaging adapted to client requests.

The scope of the environmental management system covers the activities on the Val d'Izé production site and those of its employees.

With 30 people on site on 12/31/2019, production was 536 tons for €5M of sales for Kwizda Agro I Biocides.



OUR KEY FIGURES

GENERAL INFORMATION

Net Worth
112 515 €

Kwizda France	Company name
S.A.S.	Legal form
12 Parvis Colonel Arnaud Beltrame CS 10933 78000 Versailles cedex - FRANCE	Office
ZA de Bourgneuf, Rte de Dourdan, 35450 Val d'Izé	Production site
394 788 582 00010	Siret no. (Corporate ID)
4675Z	Activity code

THE PLANT IS LOCATED IN VAL D'IZÉ

Lot Area
13.694 m²

2 750 m²	Paved surface area (parking lots + unloading area)
3.200 m²	Built surface area
1.211 m²	Production area (production lines, laboratory, maintenance...)
1.480 m²	Storage warehouse (RM + finished products)
233 m²	Administration (Offices, meeting room...)
80 m²	Staff premises
270 m²	Docks, shipping
508 m²	Mezzanine

OUR KWIZDA AGRO | BIOCIDES STAFF

Val d'Izé
30
people
under contract

13	Production
5	Supply Chain
1	Sales Administration
3	Quality
2	Maintenance
1	Management
1	Procurement
2	Warehouse
1	Controller
1	Finance / Accounting
15	Temp workers (seasonal)

Marly-le-Roi
5
people

2	Finance / Accounting
2	Regulatory Affairs
1	Marketing and Communication

Other
geographical
locations
9
people

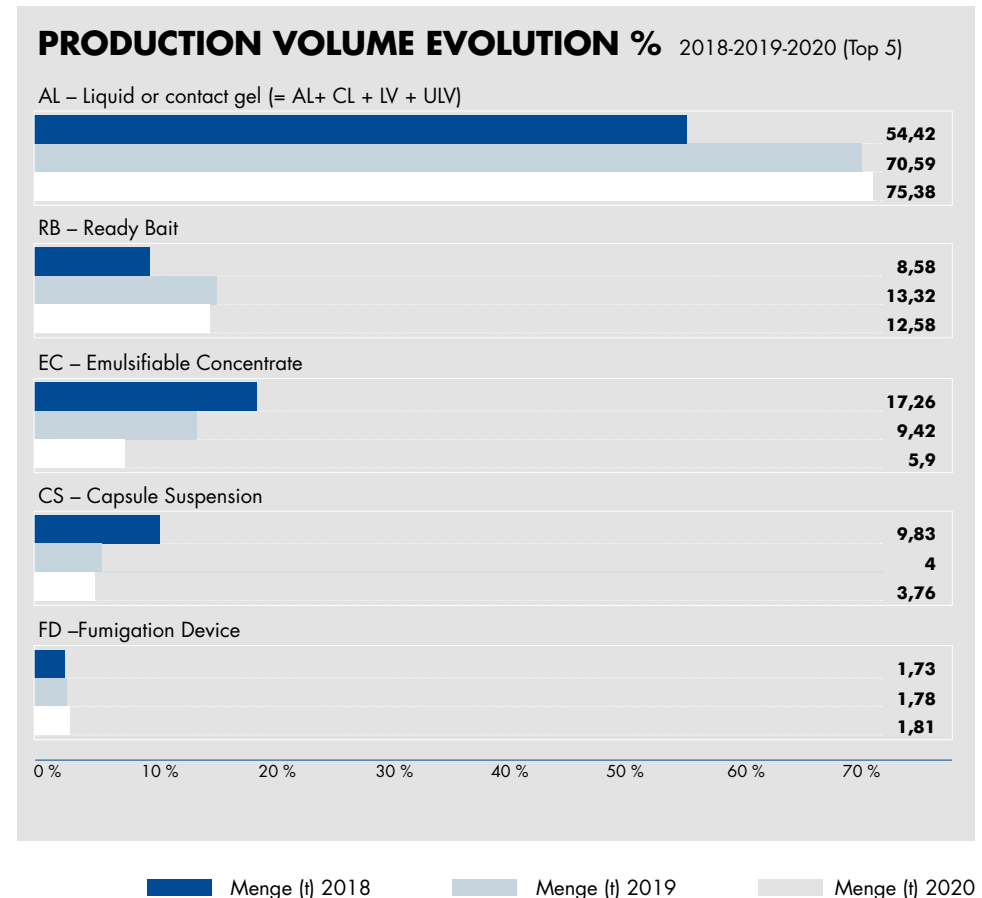
1	Management
1	Regulatory Affairs
1	Product Management
6	Sales

OUR PRODUCTS

We pack non-agricultural pest treatment products to combat ants, flies, cockroaches, mosquitoes, termites, etc.

Our products are distributed in different formats:

PRODUCT FAMILY	2018 (%)	2019 (%)	2020 (%)
AL – Liquid or contact gel (= AL+ CL + LV + ULV)	54,42	70,59	75,38
RB – Ready Bait	8,58	13,32	12,58
EC – Emulsifiable Concentrate	17,26	9,42	5,9
CS – Capsule Suspension	9,83	4	3,76
FD – Fumigation Device	1,73	1,78	1,81
MEC – Micro Emulsion Concentrate	0,41	0,76	0,44
*PA - Paste		0,01	0,04
MG – Micro Granules	2,2	0	0
SC – Suspended Concentrate	1,57	0,12	0
GB – Granular Bait	2,78	0	0
SG - Water Soluble Granules	1,22	0	0



ICPE STATUS

Our plant has a reporting obligation as per Article 4510 „Hazardous to the aquatic environment, acute category 1 or chronic category 1“ (French Decree 2014-285)

The total quantity likely to be present at the facility being:

1. Greater than or equal to 100 T (A-1)
2. Greater than or equal to 20 T but less than 100 T (DC)

The quantity present on our site is about 54 tons.

Periodic ICPE inspection in 2021.

ENVIRONMENTAL POLICY

WE BELIEVE THAT RISK MANAGEMENT IS AN ESSENTIAL CORPORATE MANAGEMENT TOOL THAT PREVENTS ERRORS IN ALL ASPECTS OF OUR ACTIVITY.



DOB
PROFES
DIPINTI
INDUSTRIALI
HYDRON
✓

DANGER

PERICOLO
DIPINTI
INDUSTRIALI
HYDRON
✓

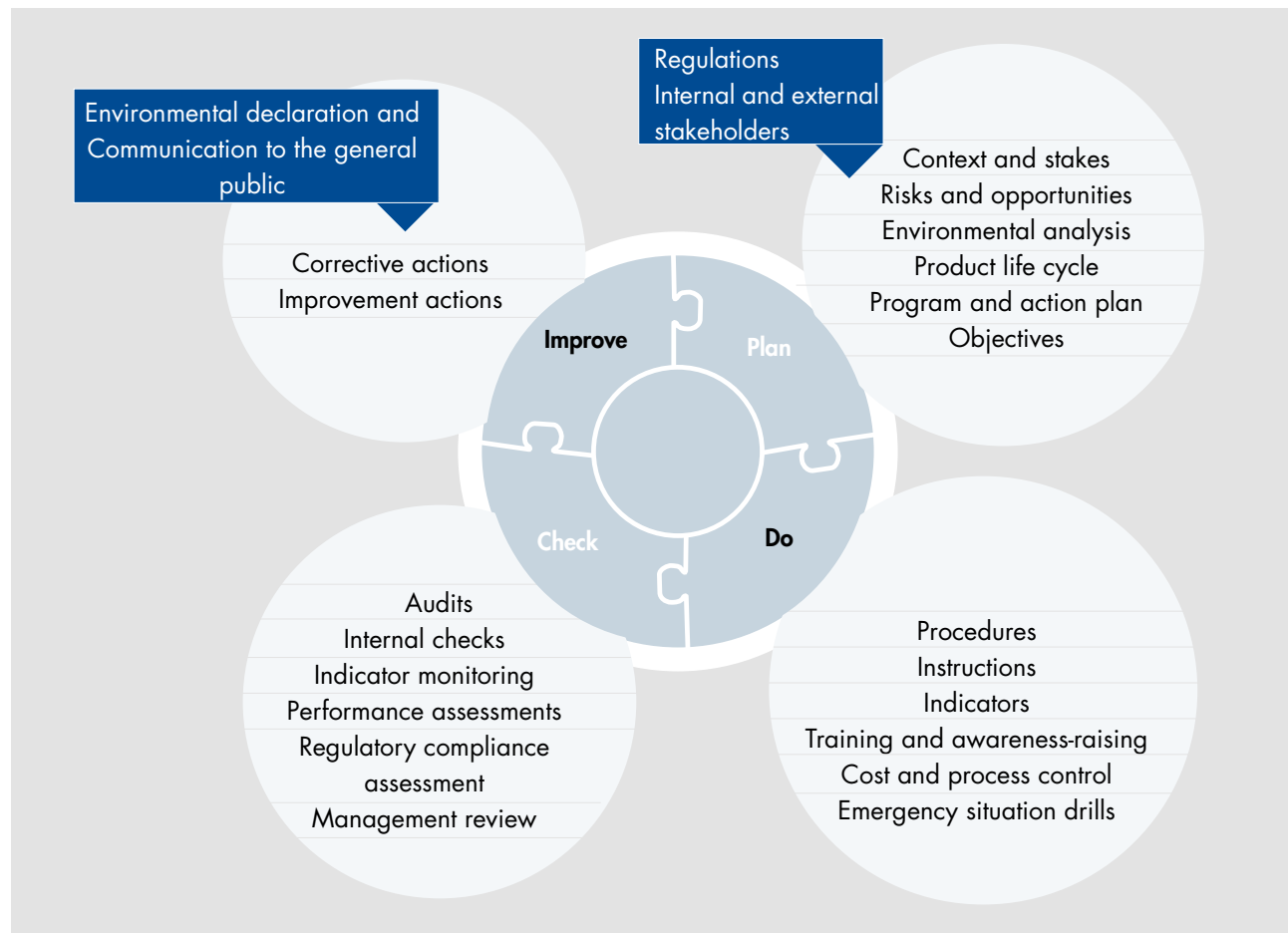
100% BREVETTO MARCHIO
MILANO

ENVIRONMENTAL POLICY

OUR INTEGRATED MANAGEMENT SYSTEM

The purpose of our integrated management system (IMS) is to convert company policy objectives into suitable methods, procedures and processes, including the corresponding documentation, while taking all applicable regulations and standards into account (ISO 9001, ISO 14001, EMAS, ISO 45001).

Our two environmental certifications are proof of our commitment to working as harmoniously as possible in the planet's ecosystems. We are therefore part of the select club of European businesses to have obtained EMAS registration after having met its excellence requirements.



KWIZDA FRANCE BIOCIDES QHSE POLICY



Politique QHSE / QHSE Policy	Index:	8
	Doc.ID:	AG VI RE 1.3.7.1
	Validation:	26.06.2020

Les domaines d'application de nos certifications sont :

Certification	Entité	Site	Domaine d'application
ISO 9001 : V2015 ISO 14001 : V2015 ISO 45001 : V2018	Kwizda France SAS	Marly Le Roi, France	Développement, finances & administration, gestion stratégique et opérationnelle marketing, gestion commerciale et développement du portefeuille clients.
	Kwizda France SAS	Val d'Izé, France	Développement, production et emballage de biocides.

Scopes of our certifications are:

Certification	Organisation	Site	Scope
ISO 9001: V2015 ISO 14001: V2015 ISO 45001: V2018	Kwizda France SAS	Marly Le Roi, France	Development, finance & administration, strategic and operative controlling, marketing, business development, business & portfolio management.
	Kwizda France SAS	Val d'Izé, France	Development, manufacturing and packing of biocides.

KWIZDA FRANCE BIOCIDES QHSE POLICY



Politique QHSE / QHSE Policy	Index:	8
	Doc.ID:	AG VI RE 1.3.7.1
	Validation:	26.06.2020

Pour développer durablement notre activité, nous devons anticiper sans cesse pour satisfaire les exigences de nos clients, de nos partenaires et des parties intéressées Internes et externes dans le strict respect des lois, règlements et de la Politique Groupe.
To sustainably develop our business, we must constantly anticipate to meet the requirements of our customers, partners and internal and external stakeholders in strict compliance with laws, regulations and Group Policy.

Kwizda France s'est donc engagé dans une démarche de progrès continue depuis 2015, et nous voulons aujourd'hui pérenniser ce processus d'amélioration continue basé sur les 4 standards que sont : l'ISO 9001 : V2015, l'ISO 14001 : V2015, l'ISO 45001 : V2018 et EMAS V2018.

Kwizda France is committed to continuous improvement since 2015, and we want to perpetuate this process of continuous improvement base on the four standards: ISO 9001: V2015, ISO 14001: V2015, ISO 45001: V2018 and EMAS V2018.

CETTE VOLONTÉ SE RÉFLÈTE SUR DES ENGAGEMENTS GÉNÉRAUX ET SPÉCIFIQUES:

- ✓ Avoir un personnel qualifié, formé et informé,
 - ✓ Améliorer en permanence nos processus,
 - ✓ Publier périodiquement nos performances environnementales.
- THIS WILL BE REFLECTED ON GENERAL AND SPECIFIC COMMITMENTS:
- ✓ Have qualified, trained and knowledgeable workforce,
 - ✓ Continuously improve our processes,
 - ✓ Periodically publish our environmental performance.

POUR LA SANTÉ ET LA SÉCURITÉ:

- ✓ Optimiser la veille réglementaire,
 - ✓ Prévenir tout accident et réduire de façon permanente le nombre d'accidents, en encourageant les comportements responsables de la part de notre personnel,
 - ✓ S'assurer qu'aucune priorité ne puisse s'exercer au détriment de la Santé et de la Sécurité.
- FOR HEALTH AND SAFETY:
- ✓ Optimize regulatory monitoring,
 - ✓ Prevent accidents and permanently reduce the number of accidents by encouraging responsible behavior on the part of our workforce,
 - ✓ Ensure that no priority can be set to the disadvantage of Health and Safety.

POUR LA QUALITÉ DE NOS PRODUITS ET DE NOS SERVICES:

- ✓ Ecouter et satisfaire les exigences de nos clients et partenaires,
 - ✓ Améliorer de façon permanente la qualité de nos produits et de nos services,
 - ✓ Assurer la maîtrise de l'hygiène dans notre cycle industriel pour préserver la qualité de nos produits,
 - ✓ Gérer un pilotage par processus menant sur des plans d'actions de réduction des risques pour l'ensemble des secteurs de l'entreprise.
- FOR THE QUALITY OF OUR PRODUCTS AND OUR SERVICES:
- ✓ Listen and satisfy the requirements of our customers and partners,
 - ✓ Permanently improve the quality of our products and services,
 - ✓ Ensure the control of hygiene in our industrial cycle to preserve the quality of our products,
 - ✓ Manage a process-based approach leading to risk reduction action plans for all sectors of the company.

POUR LA PROTECTION DE L'ENVIRONNEMENT:

- ✓ Diminuer le volume de nos déchets en recherchant de nouvelles sources de recyclage,
 - ✓ Adopter le tri sélectif à tous les niveaux de l'entreprise,
 - ✓ Préserver les ressources naturelles,
 - ✓ Tout en limitant les risques industriels et par conséquent les pollutions de l'environnement.
- FOR THE PROTECTION OF THE ENVIRONMENT:
- ✓ Reduce the volume of waste by continuous search for recyclable raw materials,
 - ✓ Adopt selective waste separation at all levels of the company,
 - ✓ Preserve natural resources,
 - ✓ Minimize the risk of industrial incidents and prevent environmental pollution through permanent monitoring of technical risks and setting of suitable preventive actions.

C'est grâce à l'action de tous et par notre implication que nous réussirons à atteindre les objectifs que nous nous sommes fixés. It is through the action of all and through our involvement that we will succeed in achieving the objectives we have set ourselves.

Philippe DELACROIX
Directeur de site / Plant Manager

Lucas SCHMIDT
Directeur BU / BU Director

LIFE CYCLE AND ENVIRONMENTAL ASPECTS

AN ENVIRONMENTAL AND A LIFE CYCLE ANALYSIS WERE CARRIED OUT TO IDENTIFY THE MOST SIGNIFICANT ENVIRONMENTAL IMPACTS, AND TO WORK ON REDUCING THEM.

Kwizda
Biocides



LIFE CYCLE AND ENVIRONMENTAL ASPECTS

OUR LIFE CYCLE ANALYSIS

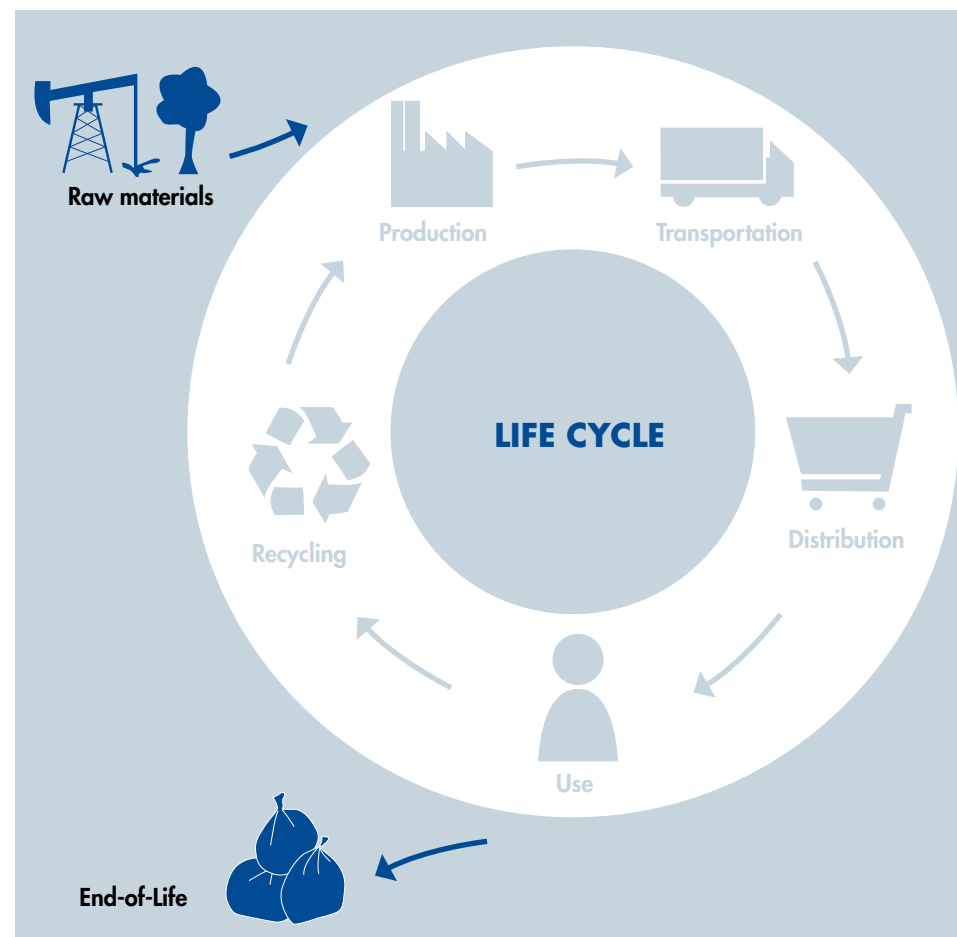
We have identified and determined our priority actions to act more effectively in reducing the most significant environmental impacts, leading us to carry out product life cycle analyses.

Our scope of influence extends from our raw material suppliers through to our end users via our distributors.

We mainly work with regional suppliers that have implemented environmental management systems and have proven their environmental engagement (ISO 14001, PEFC, FSC, EMAS, etc.).

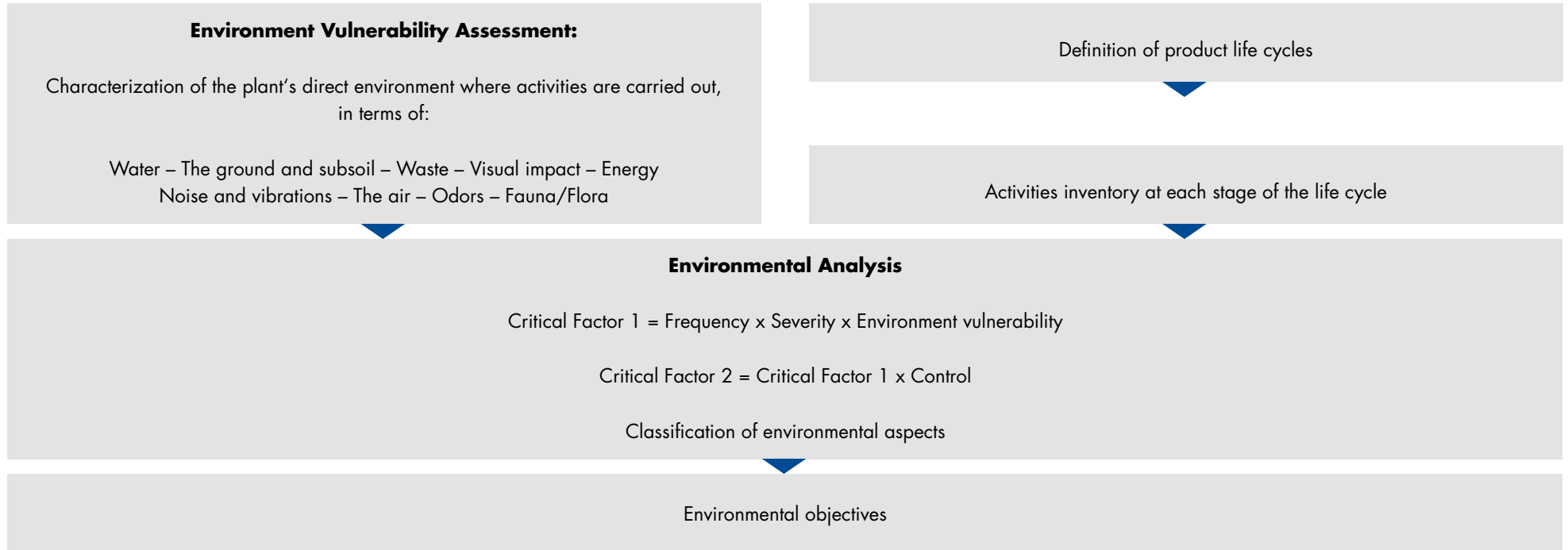
We have developed more environmentally-friendly packaging by offering our clients packaging fully made with cardboard instead of plastic. Together with our partner suppliers, we have developed a type of composite plastic containing minerals, thereby reducing the proportion of plastic. We are pursuing our approach by researching materials that are more environmentally-friendly.

We support our distributor partners by reducing product labels and clearly showing packaging recycling requirements to raise end-consumer awareness.



OUR ENVIRONMENTAL ANALYSIS

METHOD:



USING THIS ANALYSIS, WE WERE ABLE TO IDENTIFY THE FOLLOWING SIGNIFICANT ENVIRONMENTAL ASPECTS (SEA) (LOW AND MODERATE GRADIENTS):

- Indirect: Depletion of resources linked to the production of plastic packaging
- Indirect: Pollution risks resulting from a fire (subcontractor)
- Direct: Pollution risks resulting from a fire (site)
- Direct: Production of hazardous waste
- Indirect: Pollution of fauna and flora due to spraying with our products.
- Indirect: Waste production by our product users.
- Indirect: Ground pollution due to the disposal of our products in landfills at their end-of-life.

Our general environmental objectives are described in our QHSE policy and are broken down into measurable, quantifiable aims. These are monitored and analyzed in process reviews.

DATA ON ENVIRONMENTAL PERFORMANCE AND BASE INDICATORS

WORKING RESPONSIBLY AND FOR THE
LONG-TERM IS ONE OF THE CORNERSTONES
OF OUR COMPANY PHILOSOPHY.



ENVIRONMENTAL PERFORMANCE DATA AND BASE INDICATORS

ENERGY CONSUMPTION

Objective: To limit the consumption of natural resources

MEANS:

Implementation of best practices to limit heat losses, thereby reducing gas consumption.
Implementation of best practices to limit electricity consumption (e.g. switching off unnecessary lighting during daytime).
Installation of more energy-efficient equipment.

RESULTS: consumption monitoring.

ENERGY TYPE	CONSUM 2018	2018 RATIO CONSUMPTION/ MANUFACTURED PRODUCTS (KWH/KG)	CONSUM 2019	2019 RATIO CONSUMPTION/ MANUFACTURED PRODUCTS (KWH/KG)	CONSUM 2020	2020 RATIO CONSUMPTION/ MANUFACTURED PRODUCTS (KWH/KG)
Gas (kWh)	202 220	0.31	258 000	0.48	211 712	0.47
Electricity (kWh)	272 881	0.42	285 823	0.53	231 834	0.52
TOTAL (kWh)	475 101	0.73	543 823	1.01	443 546	0.99

Gas consumption based on the UDD* (Rennes Saint Jacques de la Lande): gas mainly being used to heat buildings; consumption varies yearly => results are directly linked to climate conditions.

*Unified Degree Day (UDD) is the difference between the outside temperature and a reference temperature. It is used to estimate the thermal energy consumption needed to maintain a comfortable temperature inside buildings, based on the severity of a particular winter or summer. The usual reference is 18°C (65°F).

In 2020, gas consumption dropped for the following reasons:

Weather conditions around Rennes were more favorable than the previous year:

- Sunlight hours increased by 1.5% (+29h) compared to 2019.
- The average annual temperature rose 5.5% (+0.7°C / +33.26°F) compared to 2019.

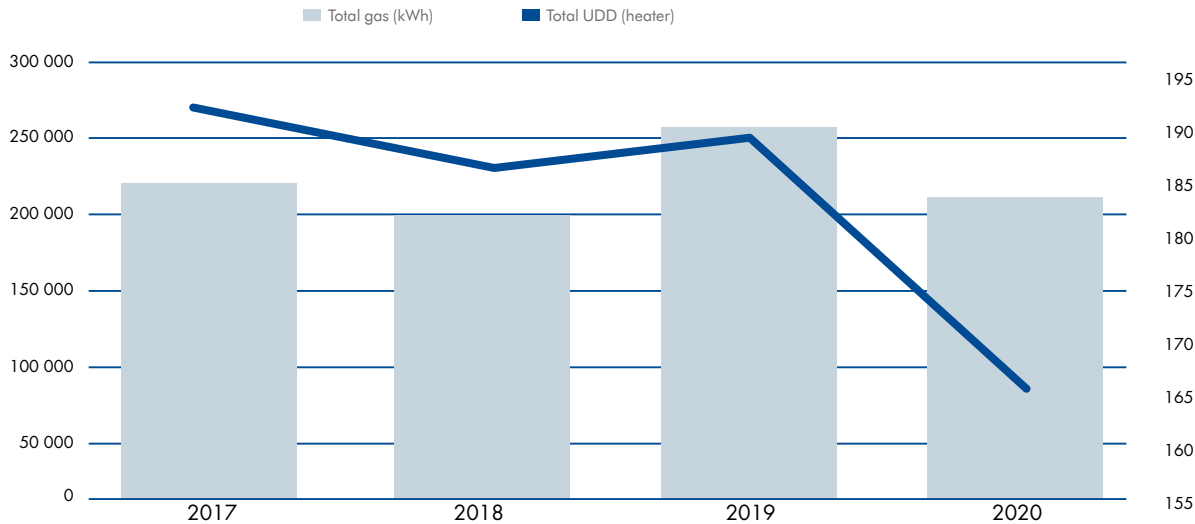
Actions completed in 2020:

- Skylights were cleaned to optimize light inside the building.
- Conversion to LED lighting throughout the building continued.

Actions scheduled for 2021:

- Replacement of the warehouse roof insulation membrane
- Replacement of the warehouse skylights

GAS CONSUMPTION / AVERAGE UDD



RATIONAL USE OF RAW MATERIALS

Objective: To limit raw material consumption. To develop more “ecological” products for our clients.

Means: Raw material consumption is monitored and analyzed to reduce losses to a minimum.

Purchases use the just-in-time method to avoid losses and idle inventory.

The different departments focus their projects on more environmentally-friendly products and on reducing packaging and over-packaging weight.

Results: Purchase of raw materials

TYPE	2018 QTY	RATIO 2018 QTY/PRODUCTION RATIO (KG)	2019 QTY	RATIO 2019 QTY/PRODUCTION (KG)	2020 QTY	RATIO 2020 QTY/PRODUCTION (KG)
Plastic film (blister in m ²)	35 585	0,05	14 611	0,03	0 Reference discontinued	0 ▼
*Metal packaging (drums, caps, etc., in units)	115 215	0,18	184 154	0,34	123 077	0,28 ▼
**Plastic packaging (BF, syringes, jars, bottles, etc., in units)	19 061 967	29,19	25 678 211	47,90	17 748 451	40,09 ▼
Labels (in units)	15 652 760	23,97	16 917 941	31,56	12 258 036	27,69 ▼
Boxes (individual boxes, small boxes, boxes, etc.. in units)	4 384 008	6,71	5 357 973	9,99	3 141 284	7,09 ▼
Active materials (in kg)	11 580	0,02	16 294	0,03	17183	0,039 ▲
Excipients (in kg)	46 734	0,07	77 387	0,14	68 034	0,15 ▲
*Cottons (in units)	2 592 000	3,97	2 592 000	4,84	1 728 000	3,90 ▼
Plastic film / corners / pallets (in units)	16 085	0,03	3690	0,007	21 452	0,05 ▲

In the second semester of 2017 we continued our transition from 100% secondary plastic packaging to 100% cardboard.

Raw material consumption results are linked to market demand.

In 2020, sales dropped due to the COVID-19 situation.

Nevertheless, there is still a drop in the packaging and label quantity ratios compared to manufactured quantities.

It should be noted that the quantities of active materials and excipients vary depending on the product mixes.

* : The „Metal packaging“ and „Cotton“ categories were added in 2019 to refine our raw material categories.

** : Plastic material components were more finely accounted for as from 2019.

WATER CONSUMPTION

Objective: to limit the consumption of natural resources.

Means: Maintain best practices to limit water losses.

In 2018, a dedicated water meter was installed to manage the balance between production and consumption of water.

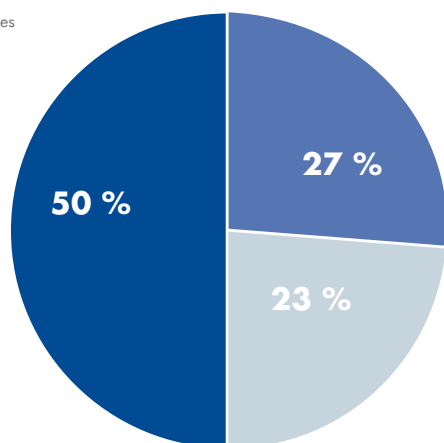
Results:

	2018	2019	2020
Total Produced Weight VI (kg)	653 079	536 068	442 753
Total quantity of water used (Kg) A + B	622 000	604 000	580 000
A.) Quantity of sanitary water (kg)		180 000	158 000
B.) Quantity of plant production water (kg) including:		424 000	422 000
1) Quantity of process water by calculation (kg)		295 440	304 220
2) Quantity of waste water (cleaning) (kg)	112 720	128 560	117780

The water used at our plant comes from the Pays de Vitré community. We have found that our water consumption is very limited. Our use of natural resources is therefore low. Monthly production/sanitary water since September 2020.

DISTRIBUTION OF WATER CONSUMED IN 2020 (T)

- Formulation
- Sanitary / staff premises
- Plant cleaning water



RATIO	2019	2020
Total water kg/formulation kg ratio	1,13	1,31
Sanitary water kg/formulation kg ratio	0,34	0,36
Production water kg/formulation kg ratio	0,57	0,66
Cleaning water kg/formulation kg ratio (waste water, pumped waste)	0,22	0,29

A project dedicated to cleaning plastic drums using less water was launched in 2019. In the last quarter of 2020, the new dosing line supply system was implemented for thick gels. Gradual replacement of washable Müller drums by drums with disposable plastic covers. Deployment to be continued in 2021.

Objective: To limit environmental pollution.

Means: Waste sorting.

Raising staff awareness regarding the sorting of hazardous/non-hazardous waste

Results: Hazardous Industrial Waste (HIW) - Nonhazardous waste (NHW)

2020 WASTE - PRODUCTION	2019 QUANTITY (TONS)	2020 QUANTITY (TONS)	VARIATION N-1 VS. N (%)
IHW	129,12	143,506	+11%
IHW Compactor	11,34	12,987	+15%
Waste water	117,78	130,36	+11%
Empty packaging / Soiled materials		0,059	new
Cartridges and soiled empty ink cartridges		0,05	new
Laser particle filters		0,05	new
NHW	52,246	40,66	-22%
Roller container	8,16	6,64	-19%
NHW Compactor (Cardboard / Plastic / Paper)	25,11	31,07	24%
NHW Compactor (Sorting error)	1,8	0,2	-89%
NHW Compactor (Glassine)	11,48	2,36	-79%
NHW Compactor (NHW Processing)	4,24	0,39	-91%
Sorting rejects	1,456	0	-100%
TOTAL PRODUCTION WASTE	181,366	184,166	+2%
2020 WASTE - OUTSIDE PRODUCTION	2019 QUANTITY (T)	2020 QUANTITY (T)	VARIATION N-1 VS. N (%)
DEEE	0,012	0,007	-42%
DID	13,022	25,358	95%
DND	50,911	10,822	-79%
TOTAL OUTSIDE PRODUCTION WASTE	63,945	36,187	-43%
TOTAL GENERAL	2019 QUANTITY (T)	2020 QUANTITY (T)	VARIATION N-1 VS. N (%)
TOTAL GENERAL	245,311	220,353	-10%
Quantity of manufactured products VI	536	443	-17%
Production waste /manufactured product ratio (in T)	0,34	0,42	23%

To limit cross-contamination, our waste water only comes from the cleaning of lines or equipment between each new production run. In 2020, the volume of evacuated waste water was higher than in previous years due to increased cleaning and reductions in the size of manufacturing orders, which also led to more frequent cleaning. In total there was an increase in the waste/production ratio, in particular due to the destruction of expired and unsold products.

Our waste policy focuses on reducing waste at the source to a minimum, sorting it, reusing it, recycling it or selling it. Our waste is sorted onsite during production and according to the approved processing or recycling sectors. Each time waste leaves the site it is subject to traceability using the waste register. To encourage reuse, some packaging waste is reutilized internally.

By the end of 2017, the non-hazardous waste compactor and the cardboard boxes were replaced by roller containers with weekly collection of ordinary waste and by a recyclable waste compactor for cardboard, plastic, glassine and paper. In 2019, blister type plastic waste from production stopped being recycled due to increasingly restrictive changes in the recycling sector. This waste is now included in the roller containers. In 2020, the production line that generated this blister waste was discontinued.

"BIODIVERSITY INDICATOR"

Objectives: To limit industrial risks and pollution.

Means: Reasonable weeding of unused land.
Reasoned plant development project.

Results:

LAND USE	2018	2019	2020
Land surface area (m ²)	13694*	13694	13694
Built surface area (m ²)	3200	3200	3200
Paved surface area (m ²)	2750	2750	2750
Green spaces (m ²)	7744	7744	7744
Ground occupation coefficient (built surface area / total surface area)	0,23	0,23	0,23
Green space occupation coefficient	0,57	0,57	0,57

The geographical area where we are located is reserved for industrial activity and is not a specific fauna and flora habitat.

It should be noted that our ground occupation coefficient, which is 0.23, is much lower than what is authorized by the Area Development Plan, which is 0.60 (Built surface area / Total surface area).

Following our environmental analysis and our regulatory monitoring, we have been able to verify that the impacts on biodiversity do not stand out as a significant environmental aspect in relation to all our activities.

The Biodiversity indicator has not reflected any significant changes despite the construction of a new parking lot to facilitate coactivity between goods transportation and changes in staff shifts.

* : The total lot area was updated in 2018 following new land registry readings.

** : Note that the built surface area in 2017 included the new staff premises and the first new parking lot, which are not considered built surface areas.

AIR EMISSIONS

Objectives: To limit industrial risks and environmental pollution.
To limit professional travel.

Means: Monitor air emissions.
Purchase of a video-conferencing system in 2018.

Results:

EQUIPMENT TYPE	PARAMETERS	UNIT	LIMIT VALUES	2018 MEASURED VALUES	2019 MEASURED VALUES	2020 MEASURED VALUES
Furnace	CO	mg/m ³	100	0,00	0,00	0,00
	NOx	mg/m ³	450	2,00	0,00	0,00
Fire-powered generator	CO	mg/m ³	100	0,00	0,00	0,00
	NOx	mg/m ³	450	43,00	52,00	61,00

Production itself does not entail atmospheric emissions, only the furnaces release gases into the atmosphere.

Our furnaces only allow measuring the CO and NOx values indicated in the table above.

Please note that our air emissions are well beneath the regulatory limit values.

FINISHED PRODUCTS

Objectives: To offer clients more environmentally-friendly products.

Means: Implementation of a new product catalog due to the standardization of certain packaging and formulations.

Development of new, more environmentally-friendly, packaging (use of bio-sourced and/or recycled plastics, currently under study).

Val d'Izé Production Results:

PRODUCTS BY FORMULATION TYPE	2018 (kg)	2019 (kg)	2020(kg)
AL – Liquid or contact gel (= AL+ CL + LV + ULV)	355 425	378 404	333 737
CS – Capsule Suspension	64 181	21 417	16 669
EC – Emulsifiable Concentrate	112 717	50 524	26 127
FD – Fumigation Device	11 309	9 556	7 991
GB – Granular Bait	18 178	0	0
MEC – Micro Emulsion Concentrate	2 659	4 080	1 960
MG – Micro Granule	14 351	0	0
*PA – Paste	-	53,761	183
RB – Ready Bait	56 037	71 385	55 680
SC – Suspended Concentrate	10 266	648	0
SG – Water Soluble Granule	7 956	0	0
TOTAUX	653 079	536 068	442 753

Only on-site production will be counted from now on to improve the relevance of our Val d'Izé industrial activity ratios. This adjustment is now possible because the program to relocate some production is complete.

* : Following a new formulation launched in 2019, the table features a new category:
PA = Water-based, film-forming paste.

ENVIRONMENTAL PERFORMANCE

AT KWIZDA, WE CONSIDER THAT QUALITY, ECO-COMPATIBILITY AND THE CONNECTIONS WE HAVE WITH OTHERS ARE THE ESSENTIAL FACTORS FOR OUR SUCCESS.



ENVIRONMENTAL PERFORMANCE

2020 PROGRAM

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2020 TARGET	RESULT	REMARKS	STATUS
1	Reduce the HIW derived from production	Continue with plant sorting. Reduce production rejects (see objective 6).	-1% per kg produced	+0.8% IHW compactor volume / produced volume	Reduce the size of MOs due to COVID (increased cleaning /MO / ratios)	Carried over to 2021
2	Reduce the NHW derived from production	Continue with plant sorting. Search for a recovery channel for certain NHW.	-1% per kg produced	0.0015% in 2020 vs. 0.0018% in 2019	Indicator not relevant	To be reassessed for 2021
3	Reduce our sale of 100% plastic packaging	Development of a new packaging (cardboard/plastic) with the purchase of a new ETPack machine in 2017. None of the 100% plastic packaging should be sold in 2020.	100% (vs2017)	Complete (except containers)	The 100% blister line has been shut down	Done
4	Eliminate plastic cups on site	Stop buying plastic cups and use our existing stocks.	100%	Complete	Cardboard cups	Done
5	Reduce electricity consumption	In 2019, switch to LED lighting for administration and production. Measurable effect in 2020.	Depending on installed models	N/A	Not measurable given the electricity meter is not separate from the machine and several pieces of equipment items were replaced.	Use a kwh/h machine monitor in 2021

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2020 TARGET	RESULT	REMARKS	STATUS
6	Reduce our water consumption	Find a new drum cleaning process that uses less water.	-80% per wash cycle	Ongoing	Changes in formulation dosage and storage technology	Done
7	Integrate subcontracting activities and different types of suppliers in the life cycle and environmental analysis	Update the life cycle and environmental analysis. Aim to include this approach with the launch of the hygiene approach started in 2020. The group is considering the management of subcontractors not located in Val d'Îzè.	NA	Complete	Full study update in 2021	Done
8	Analyze the environmental impact of our suppliers (SEA 14 to 22)	Check that all our suppliers (materials, components and services) have an environmental policy	NA	Complete	Full study update in 2021	Done
9	Increase the proportion of recycled materials	Find a new material with at least 40% bio-sourced and/or recycled plastic for our main packaging (small bait box)	+40%	Complete	Validated material, mold undergoing development, first delivery in 11/2021	Done
10	Use of „Organic“ active materials	Improve our formulations by replacing our current active materials by greener active materials	NA		R&D	Objective for 2025

ENVIRONMENTAL OBJECTIVES 2021 PROGRAM

The 2021 environmental objectives are based on a quantitative assessment of the environmental aspects obtained from the environment and context analyses.

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2021 TARGET	RESPONSIBLE	DATE
1	Reduce the IHW derived from production (IHW compactor)	Continue with plant sorting. Reduce production rejects.	-1% / kg produced	QHSE Manager	Dec. 2021
2	Reduce the NHW derived from production (NHW container)	Continue with plant sorting. Search for a recovery channel for certain NHW.	-0.0005% waste / kg produced	QHSE Manager	Dec. 2021
3	Reduce our electricity consumption impact	Replace the electricity contract with a "green" renewable energy electricity contract	100% renewable electricity	Technical Manager	Feb. 2021
4	Reduce our products' impact on the environment	Launch of the PBO-free PYRO.5CS pyrethrin-based formulation			
5	Reduce our water consumption	Find a new drum cleaning process that uses less water. Replace the Müller drum dosing system with drums + disposable bags.	-2,5% plant water	Technical Manager	Dec. 2021

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2021 TARGET	RESPONSIBLE	DATE
6	Improve our storage provider's safety control systems	Update our warehouse provider's safety information	1 documentation audit	Supply Chain Manager	09/2021
7	Reduce the risk of releasing hazardous products during an on-site fire	Under study: Secure the DMA stock. Add an above-ground water reserve	Complete the 2 studies	QHSE Manager	12/2021
8	Increase the proportion of recycled materials in non-recyclable packaging (Specific Diffuse Waste, DDS - Déchets Diffus Spécifiques)	Find a new material containing at least 40% bio-sourced and/or recycled plastic for our main packaging (small bait box). ■ Launch the 60mm talc-filled box with polypropylene plastic ● Convert polystyrene boxes to talc-filled polypropylene	+40%	Site Manager	Dec. 2021
9	Use "Organic" active materials	Improve our formulations by replacing our current active materials by greener active materials.	N/A	R&D	Dec. 2021

The results of these objectives will be measurable in 2021 and will be the subject of an assessment in the 2022 EMAS declaration.

APPLICABLE LEGAL REQUIREMENTS IN ENVIRONMENTAL MATTERS

Below is the list of main regulations taken into account by the Val d'Izé site.

Site subject to ICPE regulations as per section 4510 (French Decree 2014-285)

- French Environmental, Energy, Planning and Labor Codes
- REACH Regulation
- Biocides Regulation
- EMAS 2009 Regulation
- ISO 9001 (2015) Certification
- ISO 14001 (2015) Certification
- ISO 45001 (2018) Certification





EMAS

ENVIRONMENTAL DECLARATION VALIDATION

ENVIRONMENTAL DECLARATION VALIDATED BY BUREAU VERITAS CERTIFICATION FRANCE

In compliance with **EC EN 1221/2009**, amended by **(EU) 2017/1505** and **(EU) 2018/2026**, which regulate the voluntary participation of organizations in a Community eco-management and audit scheme (EMAS).

Inspector: Séverine SUDAN

Date: 09/07/2021

Signature:



Bureau Veritas Certification France accreditation number: 4-0002 / Management System Certification.
Valid certificate. List of sites and scopes available at www.cofrac.fr





THE PEOPLE INVOLVED IN PREPARING THE ENVIRONMENTAL DECLARATION:

Philippe Delacroix, Val d'Izé site Director (Kwizda Agro Biocides)
Alexis Gaudin Rigaud, QHSE Manager (Kwizda Agro Biocides)

KWIZDA FRANCE SAS

12 Parvis Colonel Arnaud
Belframe CS 10933
78000 Versailles Cedex - France
T: +33 1 39 16 09 69
F: +33 1 39 16 47 07

KWIZDA FRANCE SAS

ZA du Bourgneuf, Route de Dourdain
35450 Val d'Izé - France
T: + 33 2 99 49 77 70
F: + 33 2 99 49 77 79

Philippe Delacroix

Plant Manager
T: +33 2 99 49 77 72
phd@kwizda-france.com

Kwizda

Agro