



Manager of the Campo Limpo System, a global reference  
in the disposal of empty crop protection packaging

# **2023** **SUSTAINABILITY** **REPORT**

**SUMMARIZED VERSION**

# INTRODUCTION



We present to you the **2023 Sustainability Report** summarized version of the National Institute for Processing Empty Packages (inpEV), which compiles the main operational, financial and social-environmental results along the year of the Campo Limpo System.

This report is published on an annual basis for over two decades, which demonstrates our commitment towards transparency and accountability regarding all links of the agricultural chain.

Enjoy your reading!

**Marcelo Okamura**  
inpEV CEO

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# WHO WE ARE



The Campo Limpo System is the Brazilian reverse logistics program for empty crop protection packaging or that containing post-consumption leftovers, with its activities regulated by Federal Law nr. 14.785/2023<sup>1</sup> and by Federal Decree nr. 4.074/2002.

In operation since 2002, the System is a global reference in reverse logistics and an example of circular economy, and currently it disposes of 100% empty packaging it receives in an environmentally proper fashion, 97% of which is recycled. Its effectiveness is the result of the commitment of all agricultural chain links: manufacturing industry, distribution channel (wholesale and cooperative associations), farmers and the public power.

The National Institute for Processing Empty Packages (inpEV) is the System's managing entity and ended 2023 with 195 companies and 10 trade associations in its membership roster.

**In 2023, the inpEV 2024-2028 strategic roadmap was approved, which priorities are to improve the Campo Limpo System and its contribution to Brazilian agribusiness sustainability over the next five years.**

1. Federal Law nr. 14.785/2023 was passed on December 28, 2023. Until then, the Campo Limpo System was governed by Federal Law nr. 7.802/1989.

# 421

**inpEV workers in 2023, in all five regions of Brazil (+ 11% X 2022).**

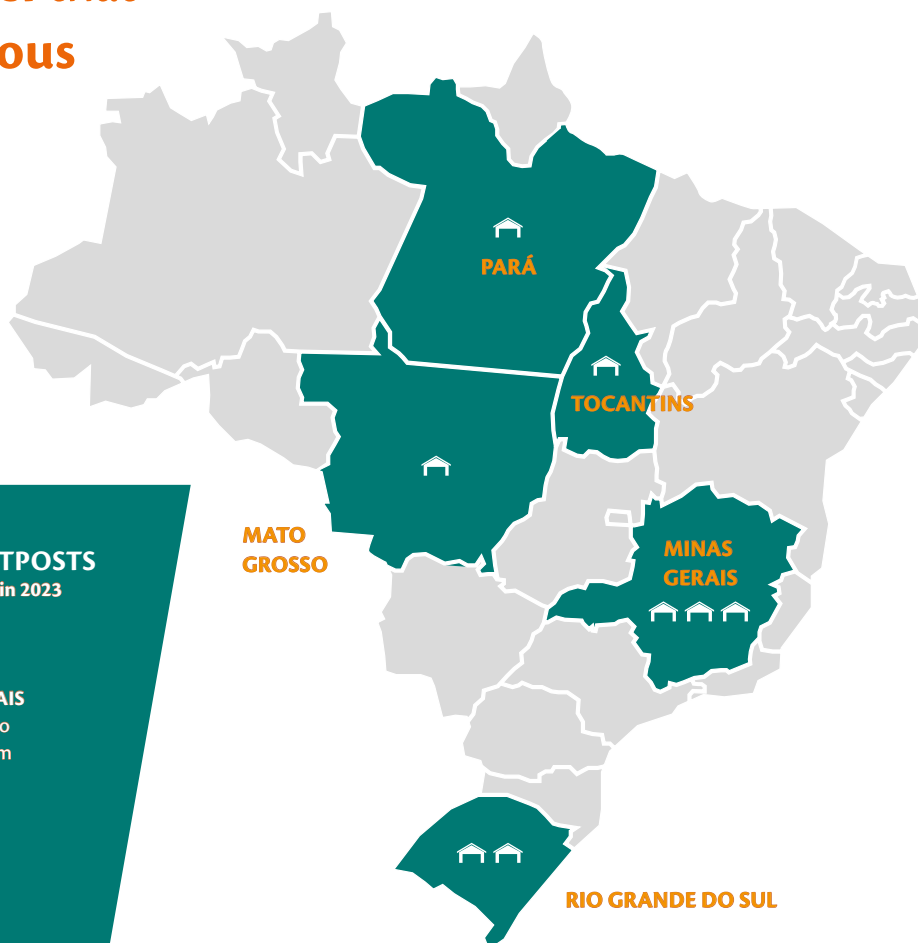
## Sustainability as a commitment

Sustainability is at the essence of the Campo Limpo System and permeates inpEV's activities since its inception. In 2019, the Institute became a signatory of the United Nations (UN) Global Compact, by maintaining its commitment to its ten principles relating to human and labor rights, environmental protection and fight against corruption, besides the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda.

# OPERATIONAL EXCELLENCE

The **Campo Limpo System** has consolidated, along its more than 20 years, an **excellence management model** that focuses on **continuous improvement** and guaranteeing **traceability** and **safety** in all its processes.



In step with the **new** Brazilian agricultural **frontiers**



## NEW CENTRAL STATIONS

Works concluded in 2023 and operational startup in the first months of 2024

### RIO GRANDE DO SUL

-  Carazinho
-  São Pedro do Sul

### TOCANTINS

-  Gurupi

### MATO GROSSO

-  Nova Santa Helena

## NEW OUTPOSTS

Inaugurated in 2023

### PARÁ

-  Altamira

### MINAS GERAIS

-  Buritizeiro
-  Contagem
-  Uberaba

Itinerant collection  
stations<sup>1</sup> in 2023:

**+ 4,500**

**6.3 million**

kilometers traveled in  
2023 by more than

**15,700 trucks**  
that traveled from the outposts  
to the central stations and from  
these to their final destination.

**416**

active receiving  
stations

**100**

central stations<sup>2</sup>

**316**

outposts<sup>3</sup>

## Central Station Integrated Management Program

An additional five central stations started being managed by inpEV in 2023, totaling 64 units. They are:

- Bebedouro (SP)
- Catanduva (SP)
- Formosa (GO) – a former outpost converted into a central station
- Mojuí dos Campos (PA) – a former outpost converted into a central station
- Sorriso (MT)

Central stations under  
inpEV management



6 central stations  
2018<sup>4</sup>

64 central stations  
2023

Between 2019 and 2023,  
the program generated  
cost savings of  
**R\$ 12.5  
million**  
for the System.

Productivity<sup>5</sup> at  
these central stations  
increased  
**32%.**

 Central stations under inpEV management with ISO 9001.

1. Events organized at more remote locations from the fixed System units, mainly reaching small farmers.

2. Larger units that receive, segregate and process the packaging and send it to partnering recyclers and incinerators. Managed by inpEV or the distribution channel.

3. Smaller units that receive and separate the packaging and send it to the central station. Managed by the distribution channel.

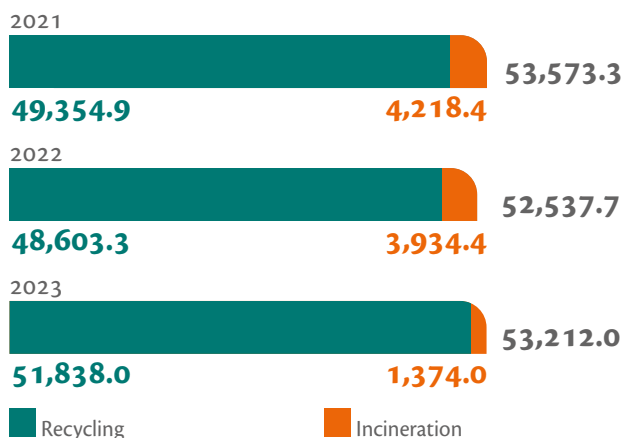
4. Year prior to the program implementation.

5. Packaging processing capacity per operator.

## SYSTEM PERFORMANCE

**More than 750,000 tons of packaging were disposed of in an environmentally friendly fashion by the Campo Limpo System since 2002 – 53,200 tons in 2023 alone.**

### Packaging disposal (t)



## Illegal products

Around 400 tons of illegal crop protection products and their packaging were properly discarded by the System in 2023.

This result was due to a partnership between inpEV and the Ministry of Agriculture, Livestock and Food Supply (Mapa), the Ministry of the Environment and of Climate Change (MMA), the Internal Revenue Service, the Federal Police, the Civil Police of various states, CropLife and the National Union of Plant Health Products Industry (Sindiveg).

**Mato Grosso was the state with the highest volume of disposed packaging in 2023 (29%), followed by Paraná (12%), São Paulo (10%), Rio Grande do Sul (10%) and Goiás (9%).**

## ECONOMIC-FINANCIAL PERFORMANCE<sup>1</sup>

(R\$ million)	2021	2022	2023
Total assets	174.2	185.4	213.1
Total resources (inpEV + chain links) that defray the program – accumulated since 2002	1,696.6	1,821.1	2,015.4
Net revenue of the activities	156.5	199.1	219.8
Member contributions	56.4	45.4	50.0
Campo Limpo Property Lease <sup>2</sup>	16.8	23.3	18.5
Net equity	89.9	105.1	130.2
Net Indebtedness <sup>3</sup>	5.6	7.1	8.1

1. Since 2021, the accreditation fee, paid by recyclers to receive packaging shipped by inpEV and for technical cooperation with the Institute, has been considered as part of the consultancy revenue, which also includes the inpEV and the partnering central stations' defrayal fees. In 2023, the consultancy revenues corresponded to R\$ 2 million.

2. Rent paid by Campo Limpo Plastic Transformation and Recycling S.A. to inpEV.

3. Only considers obligations with suppliers, excluding obligations with central stations and outposts.



# CIRCULAR ECONOMY AND SUSTAINABILITY

Synonymous to **circular economy** and **sustainability**, the Campo Limpo System makes the production of **new packaging** and other artifacts possible with the **post-consumption** resins of empty packaging.

This process extends the life cycle of plastic and reduces the extraction of fresh raw materials, water and power usage as well as waste production and greenhouse gas (GHG) emissions.

## CIRCULAR ECONOMY

- Ecoplástica® Packaging and the Ecocap® sealing system manufactured by Campo Limpo Plastic Recycling and Transformation and Campo Limpo Lids, conceived by inpEV.
- Each 20 liter Ecoplástica® packaging avoids 1.24 kg of CO<sub>2</sub>e.
- These resins are also used to produce more than 30 other artifacts, used in the civil construction, transportation, energy and other sectors.
- 4 new artifacts developed by recyclers and approved by inpEV in 2023.

## Innovation

One of the 2023 innovations allowed the recycling of the inner container (plastic part) of Intermediate Bulk Containers (IBC), which store large amounts of crop protection products.

# GHG EMISSIONS AVOIDED BY THE SYSTEM

According to the most recent eco-efficiency study:

ONLY IN 2023

## 75,239

tons of CO<sub>2</sub>e were avoided from the atmosphere thanks to the existence of the Campo Limpo System.

THE SYSTEM ALSO AVOIDED

## 4 billion

megajoules of power and prevented the consumption of

## 43.5 million

liters of water in 2023.

ACCUMULATED DURING 2002-2023

## 1.05 million

tons of CO<sub>2</sub>e avoided, which corresponds to the emissions of

## 19,830 truck trips

around the Earth. Should the System not exist, it would be necessary to plant

## 7.5 million trees

to offset these emissions.

Power self-generation grew

# 169%

compared to 2022 with the inauguration of the Unaí solar power plant.

Unaí also supplies the Minas Gerais state central stations of Montes Claros, Patrocínio, Pouso Alegre, São Joaquim de Bicas, São Sebastião do Paraíso and Uberaba.

Guariba supplies the São Paulo state central stations of Araçatuba, Araraquara, Ituverava and São José do Rio Preto.

## Eco-efficiency at central stations

In February, 2023, the second solar power plant of the Campo Limpo System started to operate at the Unaí (MG) central station. The first one is operating since 2022 at the Guariba (SP) central station.



# EDUCATION AND AWARENESS

Besides promoting farmer **environmental education**, which increases their awareness regarding the importance of returning empty crop protection packaging, inpEV also carries out various actions to **develop awareness** among members of **communities** surrounding the receiving stations, **students** and other **stakeholders**.

## CAMPO LIMPO PEA

Since 2009, inpEV has offered social-environmental education to 4th and 5th grade elementary school students and their teachers by means of the Clean Field Environmental Educational Program (PEA).

### PEA IMPACT IN 2023

**358**

cities (+15% x 2022)

**2,861**

schools (+ 9% x 2022)

**261,136**

students (+ 7% x 2022)

**320** teachers

of the São Paulo (SP) municipal educational network concluded the course “Critical Environmental Education: shared responsibilities in managing solid waste – pedagogical concepts and practices”.

## NATIONAL CLEAN FIELD DAY

The National Clean Field Day (DNCL) celebrations, held on August 18, mobilized 60,000 people in 2023. The official ceremony was held at the headquarters of one of our recycling partners in Cuiabá (MT).

### THE OUTREACH OF THE 19TH DNCL EDITION

# 98 central

stations and 16 outposts, in 114 cities, in 19 states, participated.

# 203 farmer

acknowledgment actions.

# 123 visits

of neighboring community members to the receiving station DNCL Open Doors.

# 112 environmental

education activities for university students (University DNCL) and children and youth (DNCL at School).

# 40,000 tree

seedlings planted during the event.



### Other 2023 highlights

# 15.5 million

people on Instagram and

# 12 million

on Facebook were impacted by inpEV posts.

# 1,300

people, on average, concluded the e-learning course on the Campo Limpo System.

# 338 people

visited the Campo Limpo System Museum in Guariba (SP).

# 30 national

and international events welcomed inpEV representatives.

## In the media

In 2023, a report about the Campo Limpo System was broadcast during *Jornal Nacional*, of TV Globo, which had a projected coverage of 77 million people. *Jornal Hoje*, of the same network, produced two other reports about the System. Altogether, more than 550 materials were broadcast by the press along the year.

# CREDITS

Coordination

**Presidency and Sustainability (inpEV)**

ESG consulting, editorship and design

**Conecta Conteúdo e Sustentabilidade**

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**inpEV library**

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