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These expectations depend, substantially, on market conditions, the performance of the Brazilian economy, the sectors in which the Company operates and international markets and are subject to change without prior notice.

The information contained herein does not mean and should not be interpreted as a guarantee of the Company's performance or future results.



# 4Q24 and FY24 Earnings Release



Rafael Abud



Alex Borges EVP Commercial and Finance



**Daniel Lopes**EVP Sustentability and
Business Development



Daniel Gushi
CFO and IRO

#### 10:00 a.m. - 10:40 a.m.

- Opening message
- Sustainability agenda
- FY24 Earnings Results

#### 10:40 a.m. - 11:30 a.m.

Q&A Session



### **Strategic Pillars**



#### **GROWTH**

**1-year** of full operation completed of **PDL Plant** 

Operational
improvements in all plants
adding 8% run rate
capacity YoY, reaching
~2.3 billion liters of
annual production
capacity

FS currently holds over 70kha of planted forests in MT



#### **EXCELLENCY**

Implemented operational and excellence center ("COE")

Optimized logistics, with increase in national accesses and exports, besides railroad expansion

Plant uptime of 99.3%



# LOW CARBON INITIATIVES

Confirmed geological feasibility of the **BECCS** project

1st biofuel producer to receive **ISCC Corsia Low LUC Risk** certification



# COMMERCIAL EXPANSION

Consolidated the **corn** marketing operations

Expanded **ethanol sales** nationally (in Northeast) and internationally

Started FS ECE operations with marketing third-parties ethanol

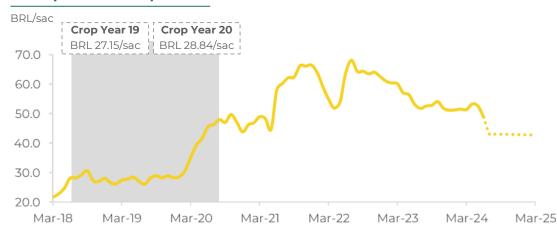
Increased exports of
animal nutrition and corn
oil and started advanced
warehousing in Southern
Brazil

#### Ethanol prices | ESALQ Hydrous Ribeirão Preto(1)

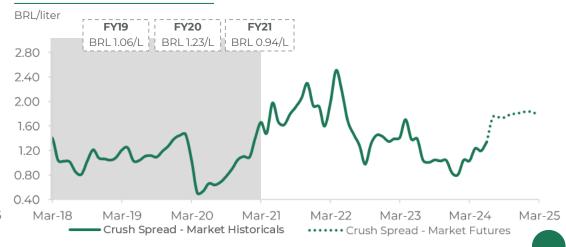




#### Corn prices in MT | CBOT Future Contracts(2)

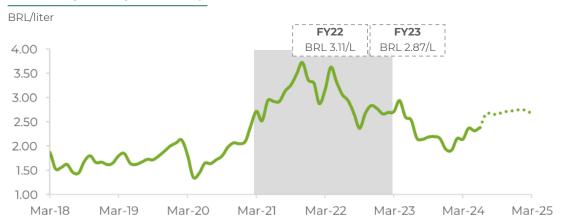


#### Ethanol vs. Corn Prices: Crush Spread Dynamics(3)



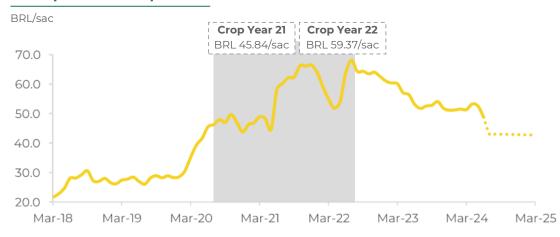
Notes: ¹ Realized prices of ethanol from ESALQ Hydrous Ribeirão Preto, and future prices from B3 Future Contracts. ² Average of CBOT future contracts delayed in two years, converted into BRL using the average of FX future contracts with the same delay, converted into sacs and discounted the logistics to Mato Grosso. Source: Bloomberg, ESALQ, B3. Base date: July 19th, 2024.

#### Ethanol prices | ESALQ Hydrous Ribeirão Preto(1)

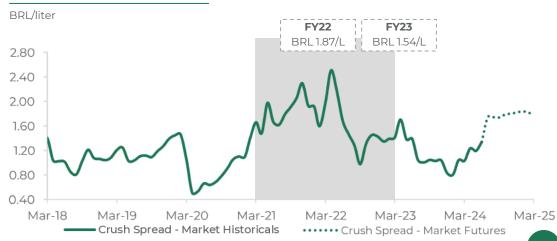




#### Corn prices in MT | CBOT Future Contracts(2)



#### Ethanol vs. Corn Prices: Crush Spread Dynamics(3)

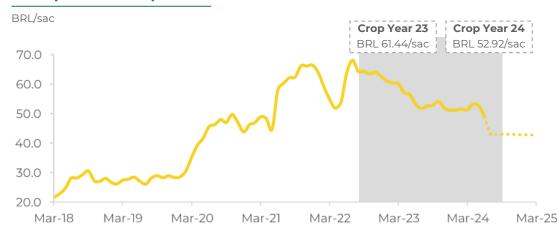


#### Ethanol prices | ESALQ Hydrous Ribeirão Preto(1)





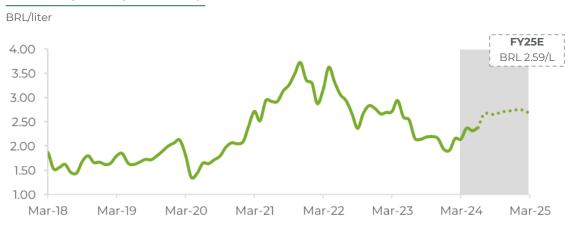
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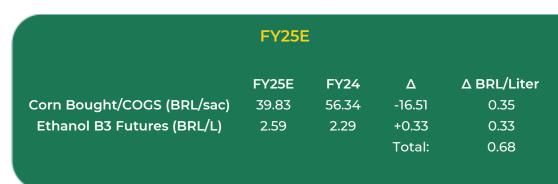


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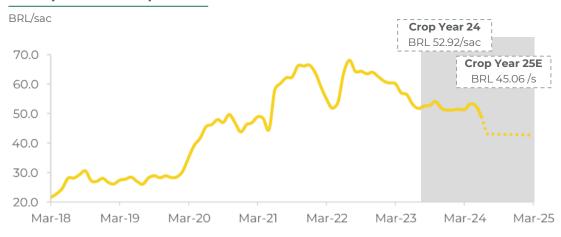


#### Ethanol prices | ESALQ Hydrous Ribeirão Preto(1)





#### Corn prices in MT | CBOT Future Contracts(2)



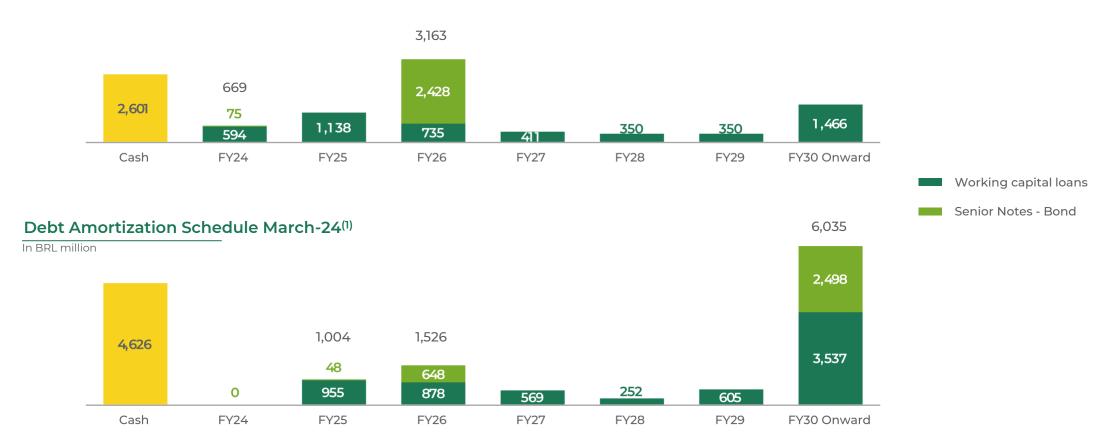
#### Ethanol vs. Corn Prices: Crush Spread Dynamics(3)



# Debt amortization Schedule September/23 versus March/24

#### Debt Amortization Schedule September-23(1)

In BRL million



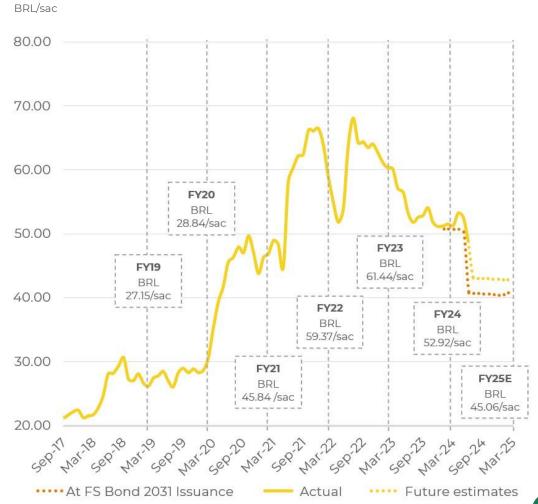
Notes: 1. Does not include the impact of transaction costs; 2. Initial issue of USD 680.0 million Senior Secured Green Notes due in 2025 ("FS Bond 2025") by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 101.3 million. Initial issue of USD 590.0 million Senior Secured Green Notes due in 2031 ("FS Bond 2023") also by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 500.0 million Senior Secured Green Notes due in 2031 ("FS Bond 2023") also by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2021") also by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025") by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million. Senior Secured Green Notes due in 2031 ("FS Bond 2025"). Balance on July 22nd, 2024 of BRL 500.0 million Senior Secured Green Notes due in 2031 ("FS B

# **Evolution of market prices**

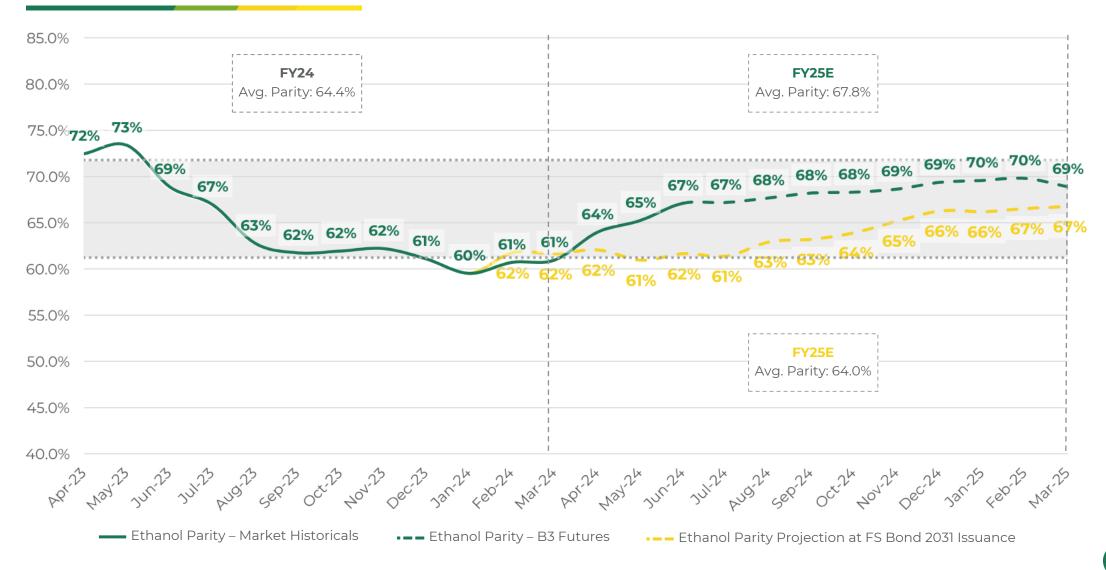
# **Ethanol prices |** ESALQ Hydrous Ribeirão Preto<sup>(1)</sup>



#### Corn prices in MT | CBOT Future Contracts (2)

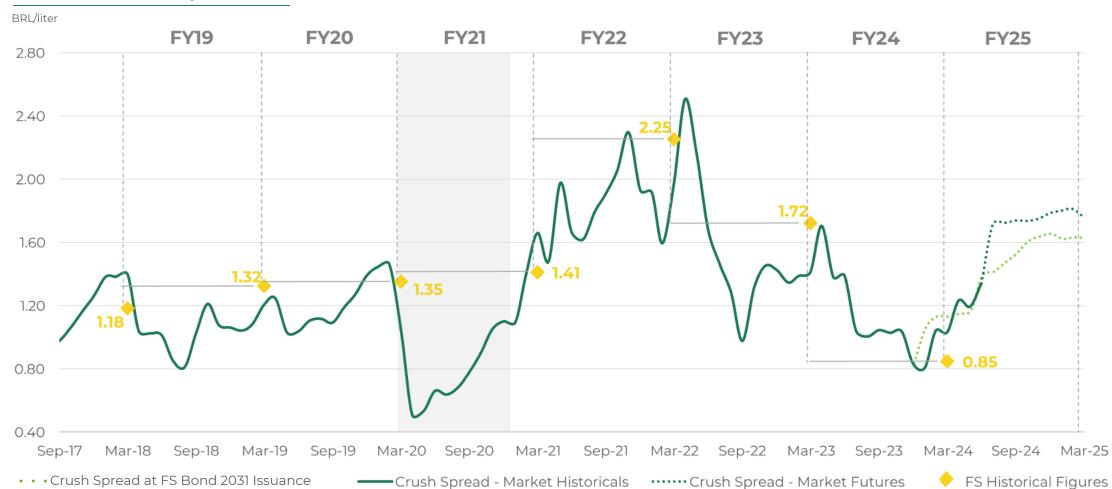


# Ethanol Pump Parity ESALQ/B3 Futures | FY24 and FY25

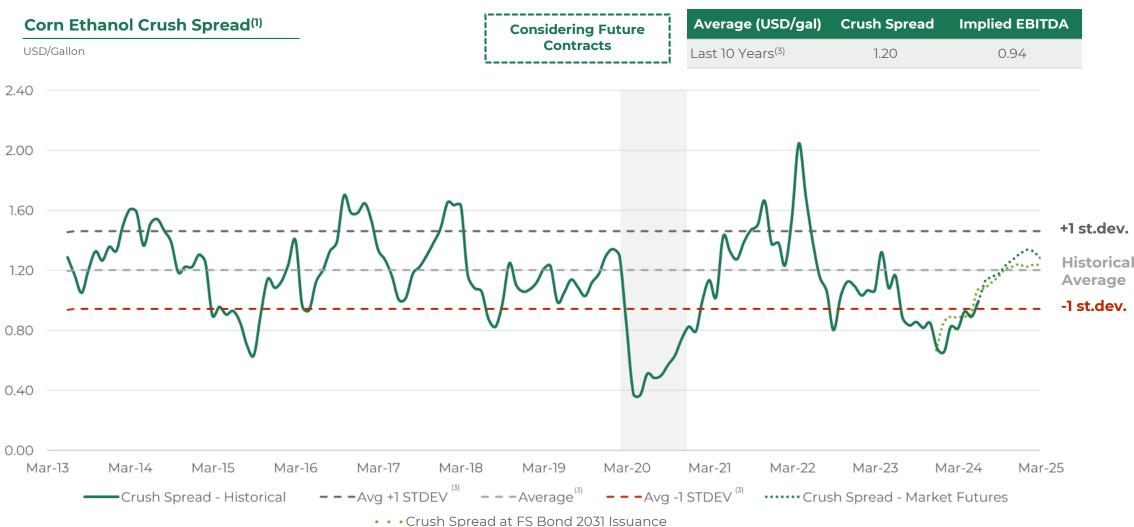


# **Ethanol vs. Corn Prices: Crush Spread Dynamics**

#### Corn Ethanol Crush Spread(1)



# Ethanol vs. Corn Prices: Crush Spread Dynamics through the cycle



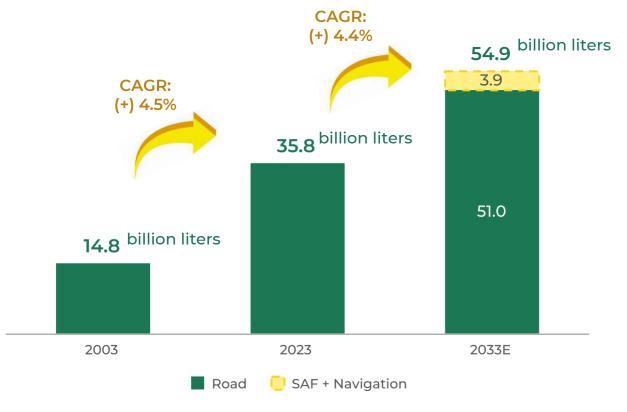


### **Brazilian Ethanol Future Demand**

The bill PL 4,516/23, or "Fuel of the Future", encourages the use of sustainable biofuels

#### Brazilian Ethanol Demand (1,2)

Billion liters | %



#### "Fuel of the Future" Bill

(PL N. 4,516/23)



#### Light vehicles | E30 Gasoline

Increase ethanol blend into gasoline from 27.5% to 30%, with the possibility of reaching up to 35%.



#### Aviation | Brazil SAF Mandate

From 2027, minimum 1% SAF in the fuel mix gradually increasing to 10% by 2037.



### Navigation | Ethanol

No local mandate yet, however, sustainable path follows the use of ethanol.

### New certificates, new markets

In FY24 we were able to achieve new certifications into new markets to increase exports:

- EU RED Certificate
- 2BS Certificate
- ISCC Corsia Low Luc Risk
- · Corn oil as residual

We are the first company worldwide to receive ISCC Corsia Low LUC Risk Certification

providing a fuel alternative more sustainable to the market and helping increase SAF supply

FS Exports in FY24

126.3 MM liters of ethanol

304.7 tons of animal nutrition



# **BECCS Project Development**



Literature and ANP data review

GATE 2

Seismic studies; 2D and 3D modeling by SLB



Well drilling; SLB geological evaluation on permeability.

Feasibility confirmation

(30+ years)

#### **Next Steps before construction start**

- Permiting (public hearing Sep 18<sup>th</sup>)
- Regulatory (bill approval and "ANP pilot Project")
- Verra Methodology approval (1st batch approved; 2<sup>nd</sup> under public consultancy)

# **GATE 4**Construction



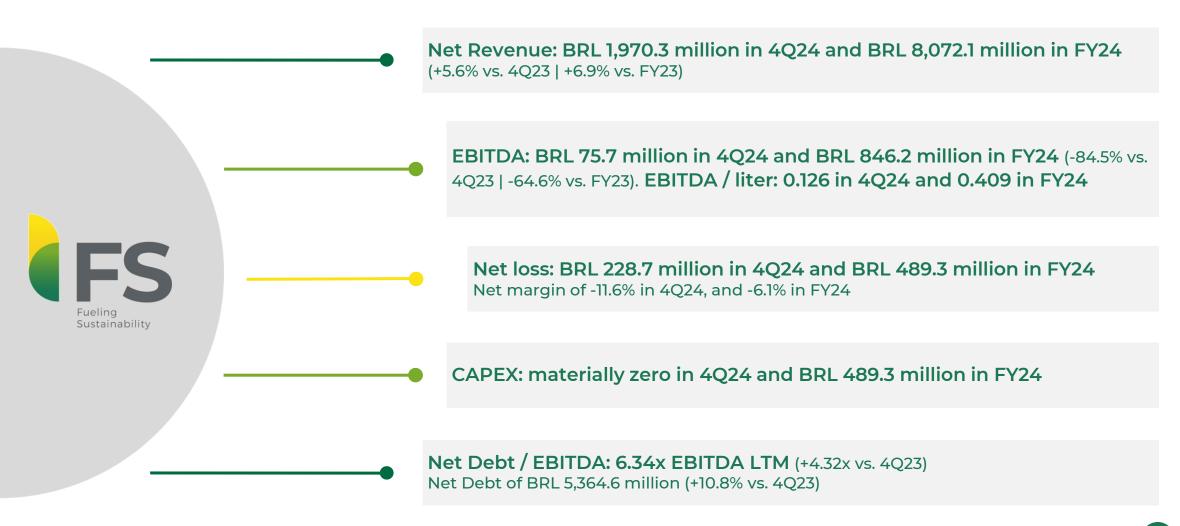
· Startup in 2026

· Competitive return on capital

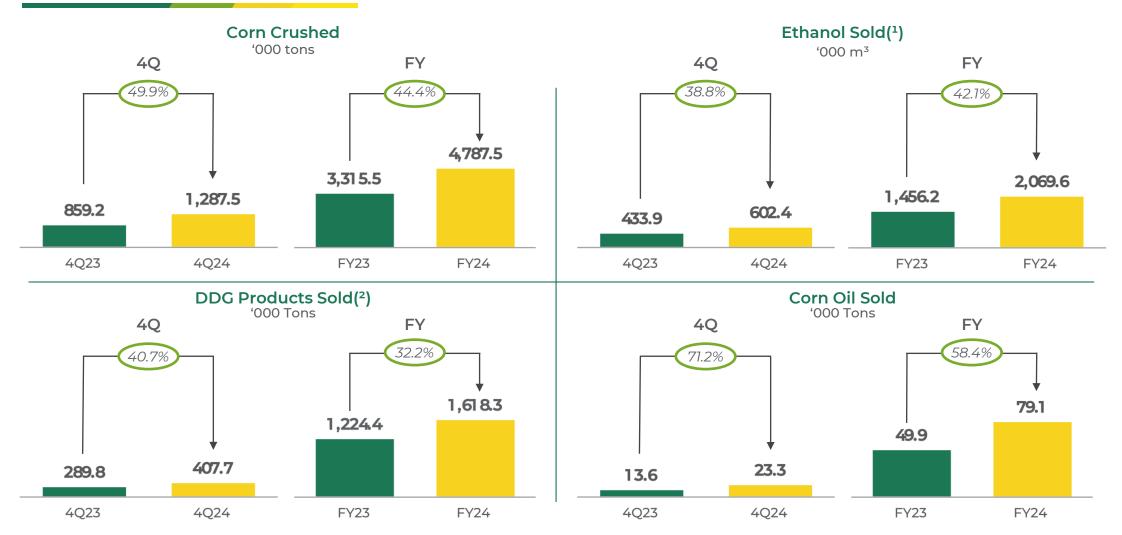
1<sup>st</sup> sale already done @ USD 100/ton!







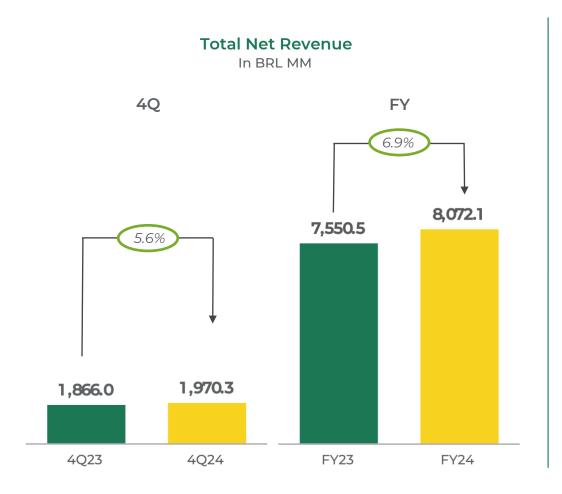
# Operational Highlights



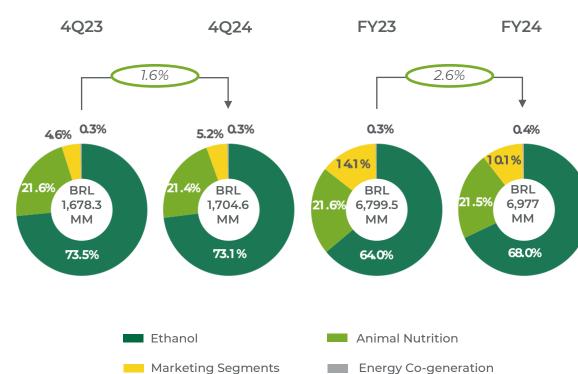
#### Notes:

- 1. Volume of anhydrous ethanol and hydrous ethanol combined.
- 2. Considers the sum of the products: DDG high protein, DDG high fiber and Wetcake.

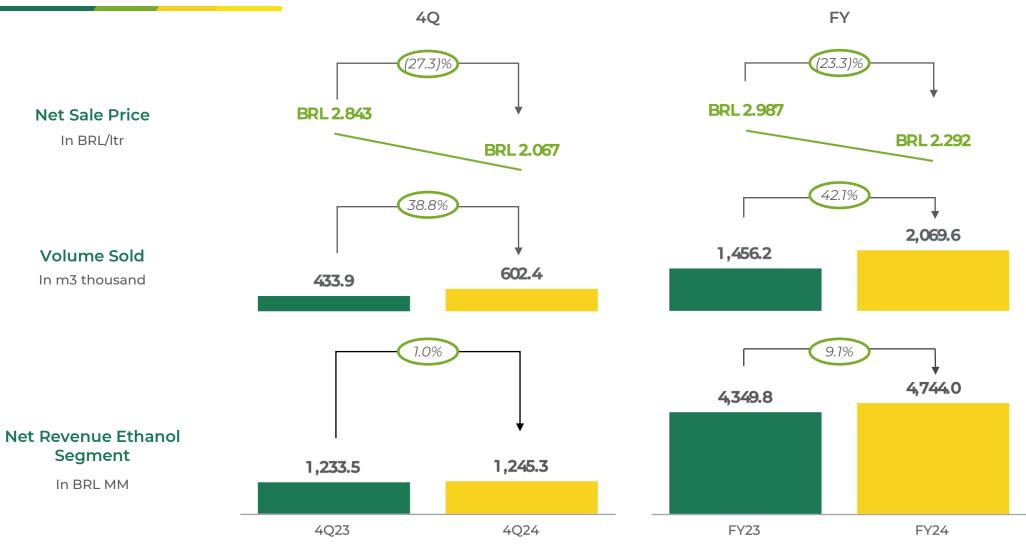
# \$ Net Revenue



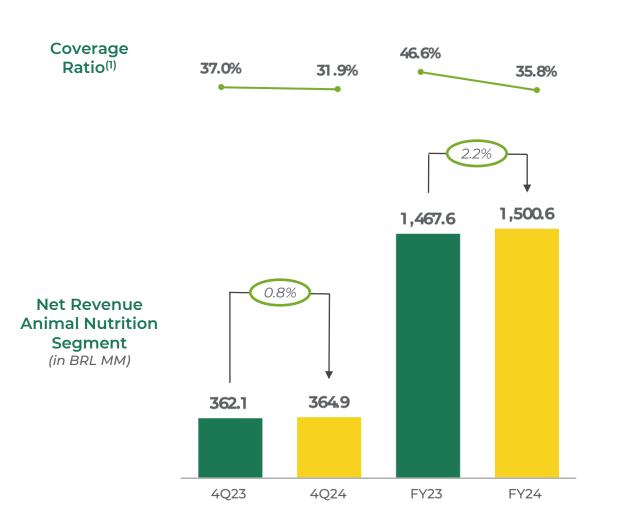
#### **Net revenue from Segments**



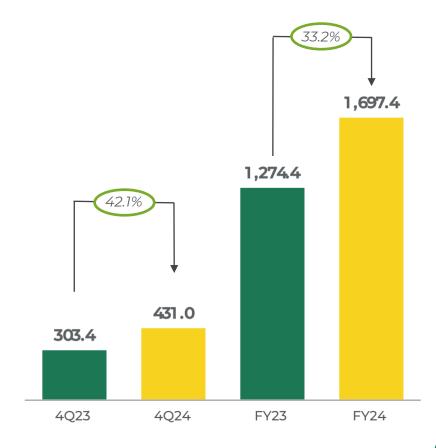
# **Ethanol Segment**



# Animal Nutrition Segment



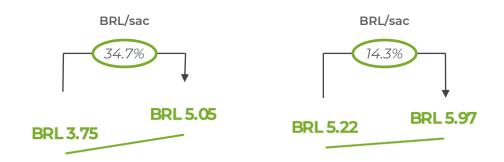
# DDGs<sup>(2)</sup> + Corn Oil Volume Sold In thousand tons



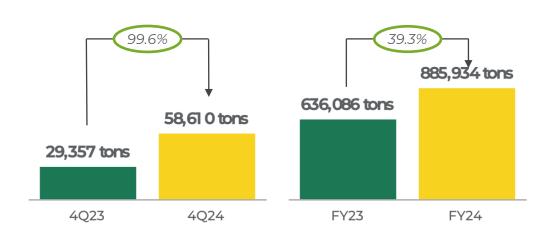
#### Notes:

- 1. Animal nutrition segment revenue + P&L corn marketing divided by corn COGS
- 2. Considers the sum of the products: DDG high protein, DDG high fiber and Wetcake.

#### Spread per sac



#### **Total Volume**

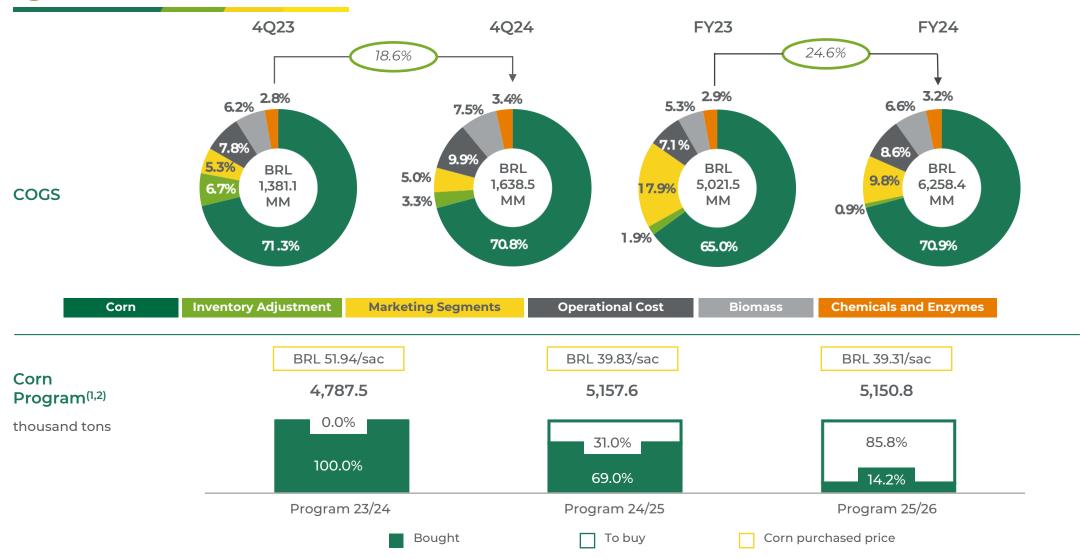


#### **Net Revenue**



**P&L Total** 

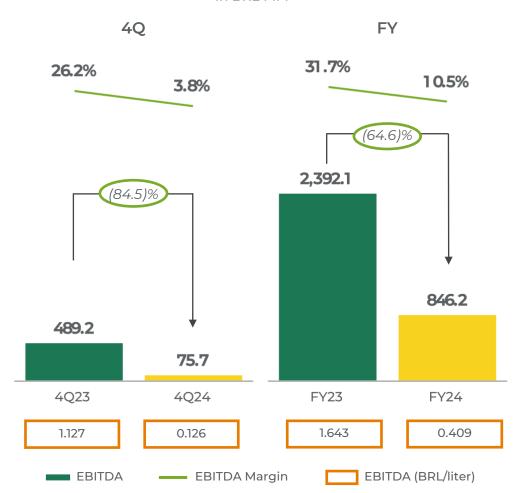




# \$ EBITDA and Net Profit

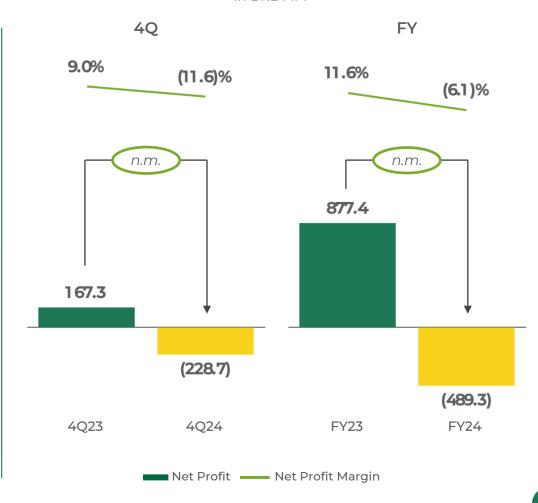


In BRL MM

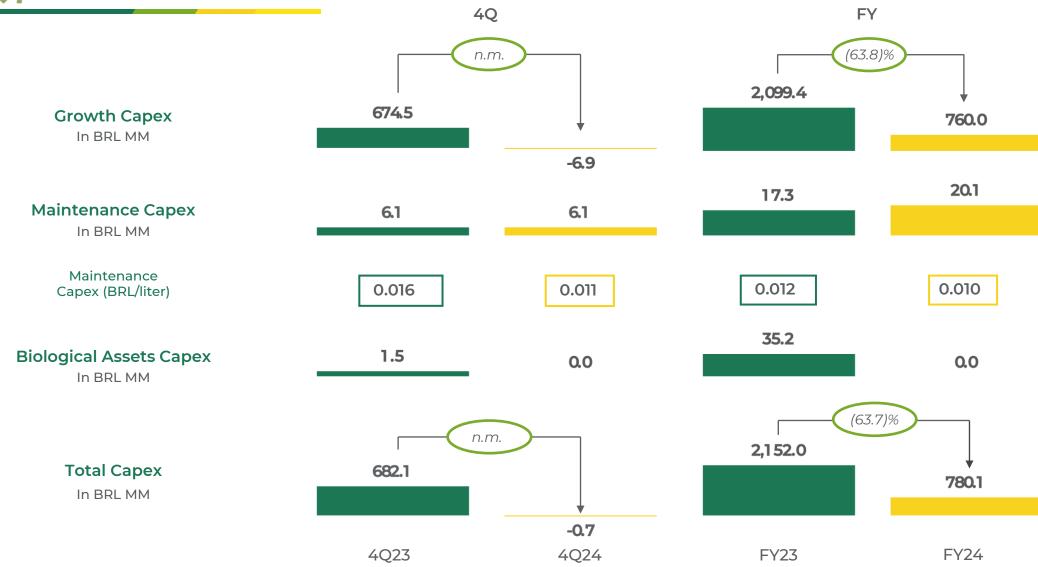


#### Net Profit (Loss) Evolution

In BRL MM







Net Debt Evolution	102/	2027	702/	(02/	(02(17))	
(in BRL MM)	1Q24	2Q24	3Q24	4Q24	4Q24 LTM	
Net Debt BoP	4,842.1	5,034.4	4,945.8	5,185.4	4,842.1	
EBITDA	377.1	218.8	174.6	75.7	846.2	
Working Capital	1,117.7	(8.5)	294.6	357.4	1,761.2	
Income Taxes paid	_	_	_	_	_	
Cash Flow From Operations	1,494.8	210.3	469.2	433.1	2,607.4	
Cash Capex	(332.6)	(58.9)	(197.9)	(148.9)	(738.3)	
Cash Flow From Operations Minus Capex	1,162.2	151.4	271.3	284.2	1,869.1	
Cash Flow From Financing Activities	(1,354.4)	(62.8)	(511.0)	(463.3)	(2,391.5)	
Net Interest	(112.4)	(187.1)	(322.8)	(384.7)	(1,007.1)	
Impact from FX, Derivatives and Others	(596.6)	124.3	(161.7)	(84.5)	(718.6)	
Dividends Paid / Tax Distribution	(645.4)	_	(20.5)	_	(665.9)	
Net Debt EoP (a)	5,034.4	4,945.8	5,185.4	5,364.6	5,364.6	
Change in Net Debt	192.2	(88.6)	239.7	179.1	522.5	
Change in Net Debt	192.2	(00.0)	235.7	179.1	522.5	
Readily Marketable Inventories - RMI	932.0	1,902.8	1,685.3	714.5	714.5	
Net Debt EoP adjusted by RMI	4,102.3	3,043.0	3,500.1	4,650.1	4,650.1	

# Financial Highlights | 4Q24 and FY24



#### **International Capital Markets**

- FS Bond 2025: we repurchase and cancelled USD 578.7 million through OMR and Tender Offers until July'24, reducing outstanding principal to USD 101.3 million.
- FS Bond 2031: total of USD 500.0 million, unsecured and 7-year maturity

#### **Local Capital Markets**

• Issuance of four CRA CVM 160, in total amount of **BRL 3.0 billion**, with more than 6.5-years maturity, green notes and unsecured.

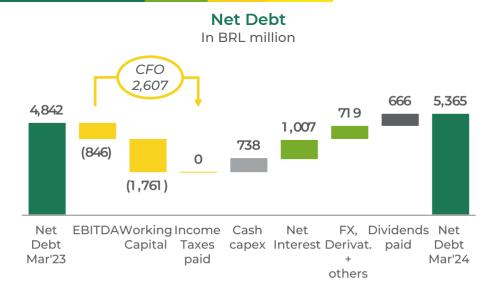
#### **Lines with development banks**

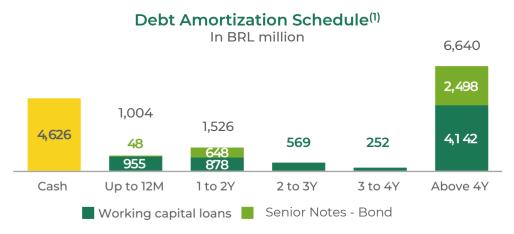
- FINEP: first transaction disbursed, in total amount of **BRL 102.9 million**, with 12-year maturity;
- BNDES: first direct disbursement of 16-year line, in total amount of **BRL 359.2** million, from a total approved credit line of BRL 1.0 billion.

We concluded the unwind of the TRS, CPR-F and back-to-back structures, removing duplicity of gross debt and cash position in the balance sheet.

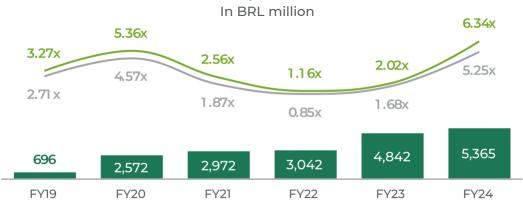
With more than BRL 4.6 billion in cash, we closed the FY24 with strong liquidity and cash position.







#### Net debt / EBITDA LTM

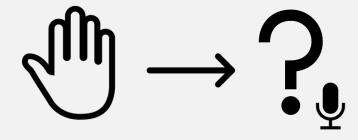


Net debt — Net debt/EBITDA LTM	— Adj. Net debt/EBITDA LTM <sup>(5)</sup>
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Net Debt Reconciliation (in BRL million)	4Q23	4Q24	4Q24 vs 4Q23
Bond and CPRF <sup>(2, 3)</sup>	3,107.8	3,194.9	2.8%
CRA and CRI	2,046.6	4,858.6	137.4%
Other WC lines	1,745.0	1,937.5	11.0%
Gross debt	6,899.4	9,990.9	44.8%
Total cash <sup>(4)</sup>	2,057.3	4,626.3	124.9%
Net debt	4,842.1	5,364.6	10.8%
Net debt / EBITDA (LTM)	2.02 x	6.34 x	4.32 x
Net debt adj. RMI	4,010.5	4,650.1	<i>15.9%</i>
Ebitda adj. by PDL Plant <sup>(5)</sup>	2,392.1	886.2	(63.0)%
Net debt RMI / LTM EBITDA Adj <sup>(5)</sup>	1.68 x	5.25 x	3.57 x
Gross Debt – USD (%)	21.5%	16.8%	(4.7 p.p.)
Gross Debt – BRL (%)	78.5%	83.2%	4.7 p.p.

Notes: 1. Does not include the impact of transaction costs; 2. Initial issue of USD 680.0 million Senior Secured Green Notes due in 2025") by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 101.3 million. Initial issue of USD 500.0 million Senior Secured Green Notes due in 2031 ("FS Bond 2031") also by the subsidiary FS Luxembourg s.à.r.l., ("FS Lux"). Balance on July 22nd, 2024 of BRL 500.0 million. 3. Issuance of USD 594.2 million of CPRF (Cédula de Produtor Rural Financeira) by FS, in connection with the Bond issued. No current balance position. 4. Includes cash and cash equivalents, financial investments, and restricted cash (short-term and long-term). S.EBITDA adjusted by the annualized EBITDA of the PDL Plant in 2024, 3024 and 4024, divided by three multiplied by four and added to the EBITDA for the year of the LRV plant and SRS plant).

To organize the Q&A queue, please use the raise hand tool and wait to be invited to open your microphone and ask your question.







Alex Borges
VP Commercial and Financial

Daniel Gushi CFO and IRO

Giam Freitas
Treasurer and IR manager

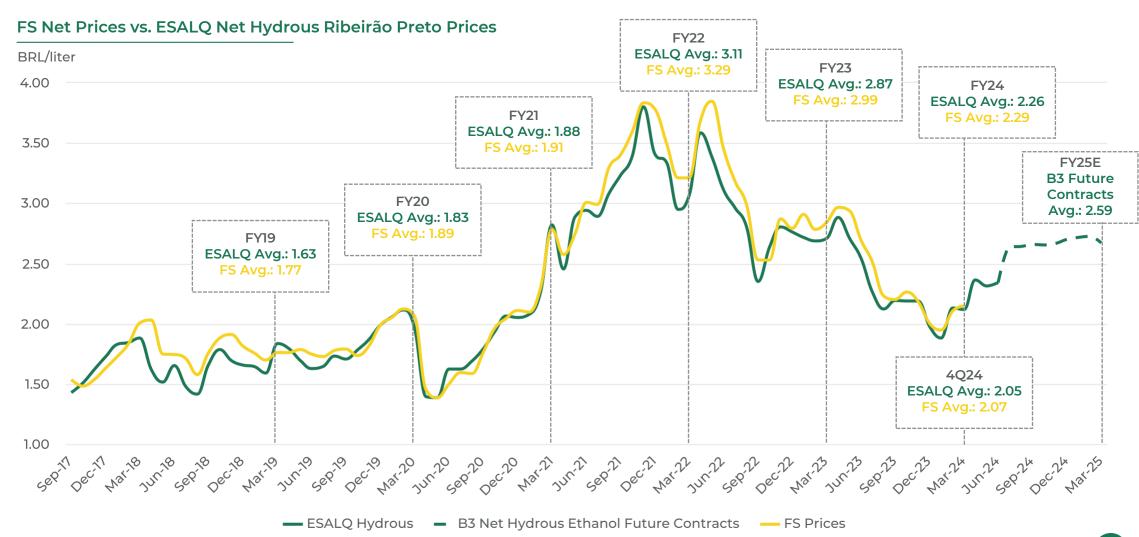
Maria Victoria M. Gimenez IR coordinator

> ri@fs.agr.br www.fs.agr.br/en/ir/



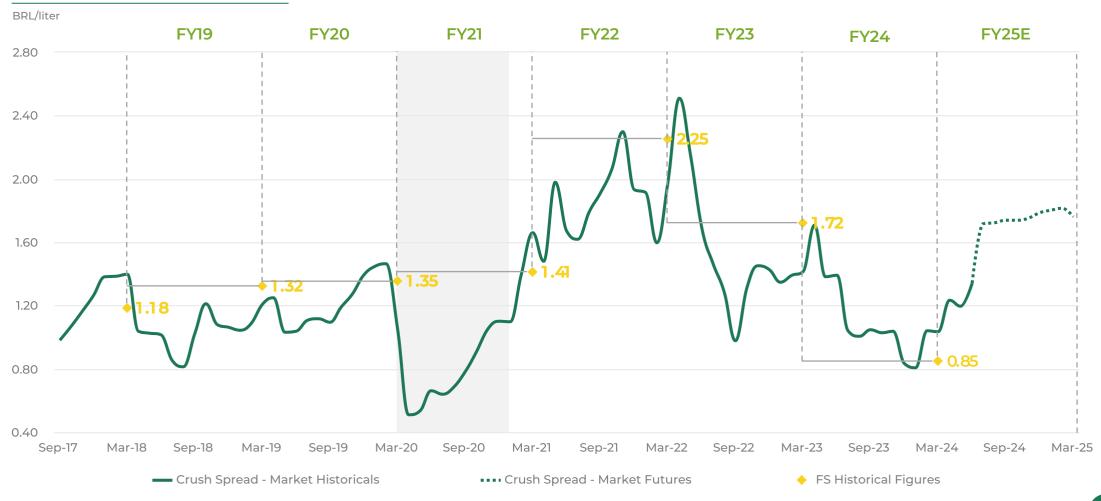


## Our Ethanol Net Prices Have Closely Followed ESALQ Hydrous Ribeirão Preto

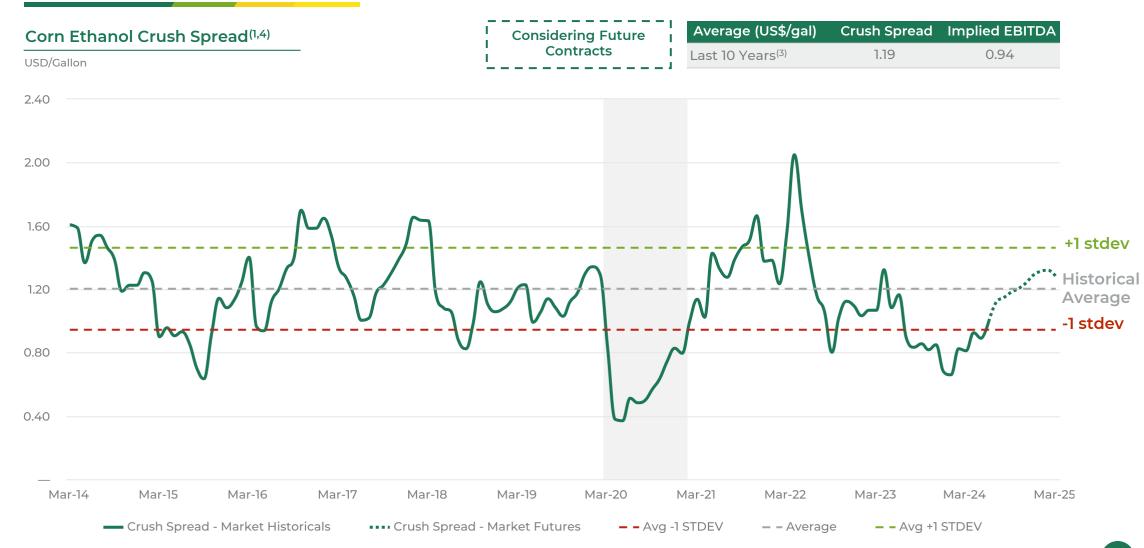


# **Ethanol vs. Corn Prices: Crush Spread Dynamics**

#### Corn Ethanol Crush Spread<sup>(1,2)</sup>



# Ethanol vs. Corn Prices: Crush Spread Dynamics through the cycle

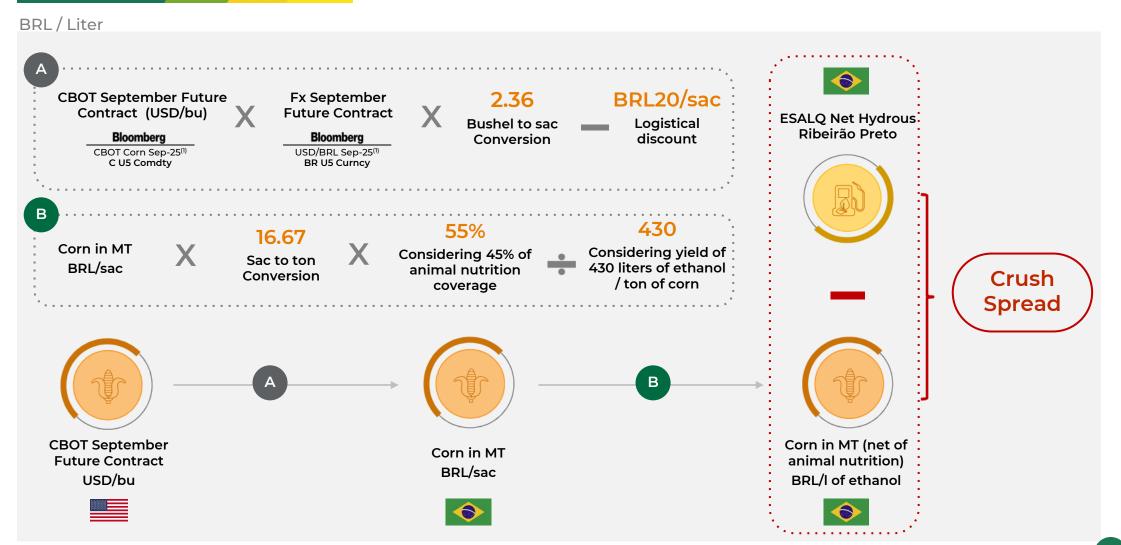


# Supply Demand Ethanol 23/24 and forecast 24/25

Crop 2027/2/	2027/24	2022/27	Δ
Crop 2023/24	2023/24	2022/23	Δ
Crush (MMT)	654.5	548.6	19.3%
Sugar (%)	48.9%	45.9%	3.0 p.p.
Sugarcane Production	2023/24	2022/23	Δ
Sugar (MMT)	42.4	33.7	25.6%
Total Ethanol (MM m³)	27.3	24.5	11.6%
Corn Production	2023/24	2022/23	Δ
Total Ethanol (MM m³)	6.3	4.4	41.4%
Total Production Ethanol	2023/24	2022/23	Δ
Total Ethanol (MM m³)	33.6	28.9	16.2%
Internal Demand	2023/24	2022/23	Δ
Otto Cycle (m³)	57.7	55.3	4.4%
Gasoline (m³)	45.2	44.6	1.3%
Ethanol (m³)	30.3	27.5	10.2%
Hydrous (m³)	17.9	15.2	17.4%
Anhydrous (m³)	12.4	12.3	1.3%
Hydrous Share (%)	21.7%	19.3%	2.4 p.p.
External Market	2023/24	2022/23	Δ
Imports (MM m³)	0.04	0.20	(80.4)%
Exports (MM m <sup>3</sup> )	2.49	2.64	(5.8)%

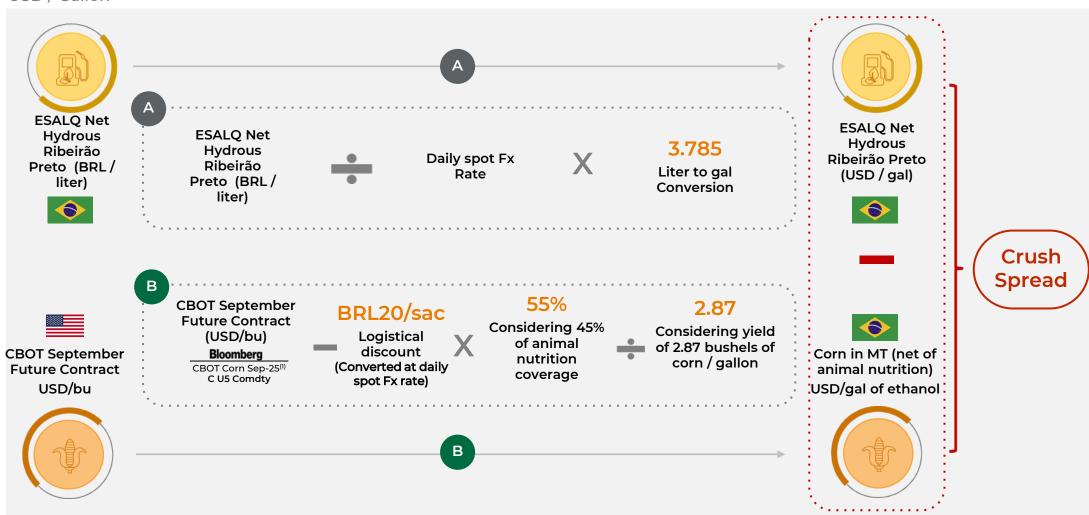
Source: Unica, ANP, Mapa and FS estimates.

# **Crush Spread Calculation**



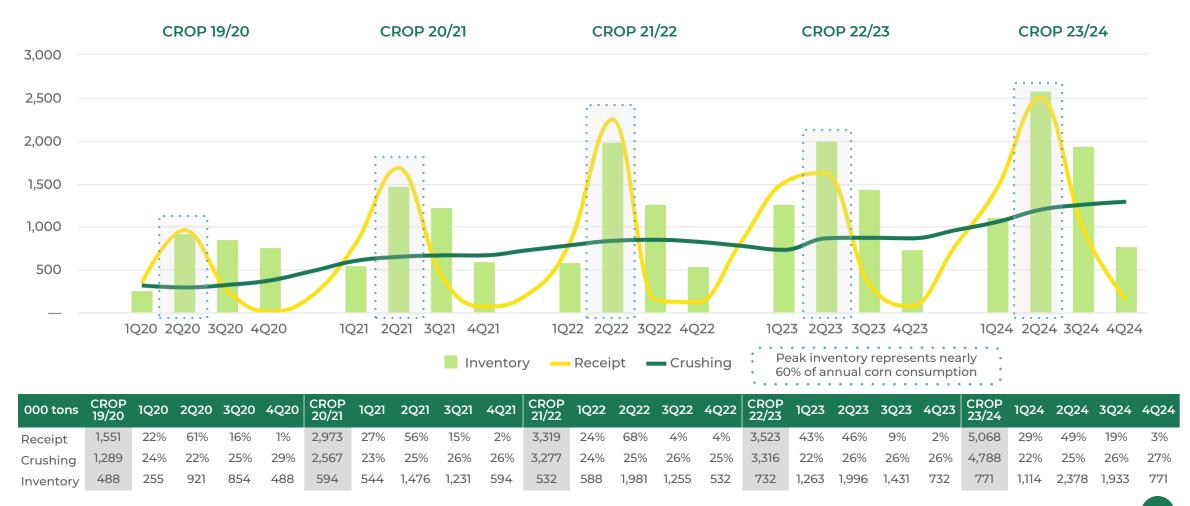
# **Crush Spread Calculation**

#### USD / Gallon



# Corn inventory dynamics

FS consolidated end of quarter in '000 tons



# **Ethanol inventory dynamics**

FS consolidated end of quarter inventory in '000 m<sup>3</sup>



000 m³	CROP 20/21	1Q21	2Q21	3Q21	4Q21	CROP 21/22	1Q22	2Q22	3Q22	4Q22	CROP 22/23	1Q23	2Q23	3Q23	4Q23	CROP 23/24	1Q24	2Q24	3Q24	4Q24
Produced	1,111	24%	25%	26%	25%	1,426	23%	26%	26%	25%	1,455	21%	26%	26%	26%	2,745	40%	19%	20%	21%
Sale	1,108	24%	22%	26%	28%	1,416	22%	23%	29%	26%	1,456	21%	24%	25%	30%	2,321	28%	20%	26%	26%
Inventory	26,203	17,580	47,994	44,759	26,203	35,919	39,451	81,972	46,746	35,919	36,446	50,615	79,261	97,640	36,446	80,842	96,729	145,595	90,156	80,842