



(2) USD/BRL exchange rates used to convert to USD: 5.19 for FY3Q23 and 5.28 for FY1H23

(3) YTD FY3Q23, excl. intercompany eliminations

(4) Some signed MOUs are non-binding

# Ag retailers are the critical link in the agribusiness value chain for small-mid sized farmer





# Lavoro focuses on small & mid-sized farmers in Brazil, which represent 65% of agricultural land





## Our financial performance for YTD FY3Q23



Note: USD/BRL exchange rates used to convert to USD; 5.19 for FY3Q23, 5.28 for FY1H23, 5.23 for FY3Q22 and 5.57 for FY1H22 (1) Reconciliations from EBITDA to Adj. EBITDA available in Appendix

## Lavoro has four foundational pillars to drive our growth for years to come



# Brazil ag production growth driven by secular factors that we believe are here to stay



Key growth drivers

1. TAM Expansion

- Increased preponderance in 2nd and 3rd crops driven by improved farmer profitability
- Higher yields driven by technology adoption
- Acreage expansion: ~116M acres of potential to convert pastureland to agriculture use

Source: OECD-FAO Agricultural Outlook 2022-2031 report



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## The opportunity for further consolidation in Brazil Ag Retail remains significant

- Lavoro well-positioned to continue to drive consolidation in Brazil ag retail, and beyond:
  - **Dedicated M&A team** of 16 individuals with backgrounds in inv. banking and PE
  - Large proprietary deal flow: with 80+ active targets in pipeline, and 8 signed MOUs
  - Integration expertise: track record of delivering revenue and EBITDA synergies post-acquisition
- Our M&A strategy expands beyond Brazil ag retail, with an active pipeline in the rest of Latam, as well as in Crop Care focused companies



Source: Company analysis based on third party research

(1) Chart represents the sales % share in for crop protection and seeds market. Excludes co-operatives and global suppliers that sell directly to large farmers

## At the heart of our operations are our 1,000+ technical sales reps (RTVs), which help farmers make better decisions throughout the crop cycle



Each year farmers put their net worth at risk investing in ag inputs

Farming is a complex operation, with 70+ critical decisions per growing season

Lavoro technical salespeople (**RTVs**) are trusted advisors, helping farmers optimize agronomic and operational decisions:

- Deep knowledge of clients' agronomic history
- Technical advice specific to client's needs, and local growing conditions
- Scouting and monitoring of pests

With its scale and investments in training and technology, Lavoro is pioneering a new breed of RTVs

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# Brazil farmers have the potential to improve crop yields by closing their technological gap

|   | United States              | 📀 Brazil                |  |
|---|----------------------------|-------------------------|--|
| Corn Yields (t/ha)1                                 | 15.0<br>10.0<br>5.0<br>0.0 | 5.1                     |  |
| Variable-rate Technology<br>Adoption % <sup>2</sup> | <b>70%</b> <sup>3</sup>    | <b>9</b> % <sup>4</sup> |  |
| Soil Testing Adoption                               | <b>98</b> % <sup>5</sup>   | ?                       |  |
| Farmer Average Age                                  | 57.56                      | 407                     |  |

(1) OECD-FAO 2022 data, Agricultural Outlook 2022-2031 report; (2) Variable-rate technology refers to leveraging new GPS-enabled farming equipment to apply ag inputs (seed, fertilizers, crop protection) at the optimal quantity and location; (3) Purdue University report on Precision Farming (2021); (4) Brazilian Agricultural Research Corporation paper, 2020; (5) Caela O'Connell, D.L. Osmond, "Why soil testing is not enough: A mixed methods study of farmer nutrient management decision-making among U.S. producers", Journal of Environmental Management (Volume 314, 2022); (6) USDA (Jun 16, 2021); (7) Farm Equipment (August 17, 2022)



## Crop Care offers a wide variety of product categories to support farmers

Crop

## **Biologicals**

Microorganisms applied to the soil, seeds or the plant leaves:

- Biopesticides: reduce pest, disease, and weed pressures
- Biofertilizers: improve soil
  health and NPK use
  efficiency



## Specialty Fertilizers & Adjuvants

are

Macro and micronutrients applied on the leaf and soil alleviating nutrient deficiencies and increase crop yields

- Foliar fertilizers
- Adjuvants
- Soil conditioners



## Agrochemicals

**Post-patent generic pesticides** to combat insect, disease and pest

- Fungicides
- Herbicides
- Insecticides



# We believe Crop Care is well positioned to take advantage of the growing adoption of specialties and access to the market through Lavoro



Revenue (\$ M)<sup>1</sup>

Source: Company analysis performed by third party research

(1) USD/BRL exchange rates used to convert to USD: 5.19 for FY3Q23, 5.28 for FY1H23, 5.23 for FY3Q22 and 5.57 for FY1H22



## Biological inputs are an emerging technology, helping farmers increase yields sustainably

### **Market Highlights**

Key features make **biologicals an attractive complement** for synthetic agrochemicals and fertilizers:

- High efficacy, **lower pest resistance** over time
- Reduce NPK needs
- High ROI product for farmers
- **Sustainable** (biodegradable, minimal carbon footprint)

#### Farmer adoption:

- Biopesticides market in Brazil grew to \$0.5B in 2021 (+44% CAGR for 2019-2021)<sup>2</sup>
- Biologicals adoption in Brazil is nascent, with room to grow 4x to reach US levels

### Biopesticides as % of total Crop Protection market<sup>1</sup>



## Agrobiológica is well set up to be a leading biological player in Brazil for years to come

#### Cross-selling through Lavoro retail channel

Share of Lavoro biological inputs sales expected to increase via RTV training and new product introductions

**Growth Drivers** 

#### Growing product portfolio

Current portfolio of 10 products cover 72% of biopesticides' active ingredients; R&D focused on new products driving productivity and soil regeneration<sup>1</sup>

#### Manufacturing capacity expansion

Current facilities operating at 100% capacity (sold out for FY23E) New plant under development: 121 acres to be one of the largest biopesticides facilities in Brazil



Main Products







## Lavoro introducing cutting edge soil testing technology to Brazil via partnerships with Pattern Ag and Stenon

### The Soil Analysis Opportunity

### Farmers are underserved by the market:

- Low prevalence of soil testing & analysis in Brazil (vs. 98% in the US)
- Incumbent soil testing service providers extremely fragmented and not "professionalized"
- Farmers make decisions without knowledge of key soil characteristics (NPK, macronutrients, pest & pathogenic risks, soil health, etc.)

### **Opportunity for Lavoro:**

- Lavoro agronomists to provide data-driven agronomic recommendations to farmers optimizing their yields and profitability
- New soil testing service revenue stream
- Driving accelerated adoption of biologicals and other specialty products benefitting Crop Care



- Vertically-integrated metagenomics platform enabling the sequencing of soil at scale
- Personalized ag input product placement recommendations
  - Predicts risks of disease and pest pressure
  - Biofertility and soil health assessment

### STENON

- Portable device with set of sensors enabling real time soil chemistry analysis
- Accurately measures N, P, Mg, pH, moisture, carbon and other key parameters in seconds
- Identification of precise levels of chemical elements necessary for yield optimization



**STENON** 

## Soil testing services leading to better farmer agronomic outcomes, RTV productivity and Crop Care sales

- Soil analysis performed during planning phase of next crop leveraging Pattern Ag and Stenon
- Data geolocated and digitized into field map (available at field and subfield level)







- Data assessed by Lavoro RTV to provide customers with personalized agronomic treatment plan: which products to apply, at what quantities and where
- Optimized seed selection, crop protection and fertility plans based on soil chemistry and metagenomic data
- Crop Care biologicals and other specialty products recommended wherever ROI for farmer is positive

- RTV recommendations drive better agronomic outcomes (yields, profitability, etc.)
- Higher adoption of sustainable specialty
  products (e.g. biologicals) improve soil health
  and reduce environmental footprint
- Customer satisfaction deepens relationship with RTV, driving improved wallet share for next crop season



## Appendix

| Reconciliation Adjusted EBITDA<br>(in US\$ million)        | YTD FY3Q22 | YTD FY3Q23 |
|--|------------|------------|
| Profit for the period                                      | 44,194     | (24,331)   |
| (+) Finance income (costs)                                 | 25,353     | 91,071     |
| (+) Income taxes current and deferred                      | 19,144     | (13,391)   |
| (+) Depreciation and amortization                          | 16,263     | 19,733     |
| (+) Fair value of inventories sold from acquired companies | 4,150      | 4,542      |
| (+) M&A expenses (1)                                       | 1,774      | 1,419      |
| (-) Gain on bargain purchases (2)                          | (3,285)    | -0         |
| (+) Nasdaq Listing expenses (3)                            | -0         | 61,531     |
| (+) Stock Option Plan                                      | -0         | 2,397      |
| (+) SPAC bonus   | -0         | 4,954      |
| Adjusted EBITDA  | 107,594    | 147,923    |

(1) M&A expenses primarily include M&A accounting and tax due diligence expenses.

(2) Difference between the fair value of the Union Agro's net assets and the price paid by the Company, recorded as a gain.

(3) Represents expenses related to the business combination with TPB Acquisition Corp I.

