

2024 Integrated Agriculture Survey (IAS) Highlights

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Overview

ZamStats conducts two primary agricultural surveys vital for national planning:

Crop Forecasting Survey (CFS): Provides early estimates of crop production during the growing season. Conducted in first quarter of the year and results disseminated 1st week of May.

Post Harvest Survey (PHS): Validates CFS data by collecting actual production figures after harvest. Includes stats on crop marketing and stocks. Conducted in last quarter of the year and results disseminated by end of December



These surveys are a collaborative effort with ZamStats, Ministry of Agriculture (MoA) and Ministry of Fisheries and Livestock.

Overview Cont'd

- 2024 IAS covered various agriculture subsectors of the country including crops, livestock, poultry and forestry in the framework of the 50x2030 Initiative replacing the 2023/2024 PHS.
- 50x2030 initiative is intended to close the agricultural data gap for data smart agriculture to strengthen national agricultural data systems in 50 countries by the year 2030 (Zambia Inclusive).
- However, it is important that the PHS is consistently done as this gives the actual statistics in the Agriculture Sector.

Objectives of the IAS 2024



Improved Coverage and scope:
targets all Agricultural production unit.



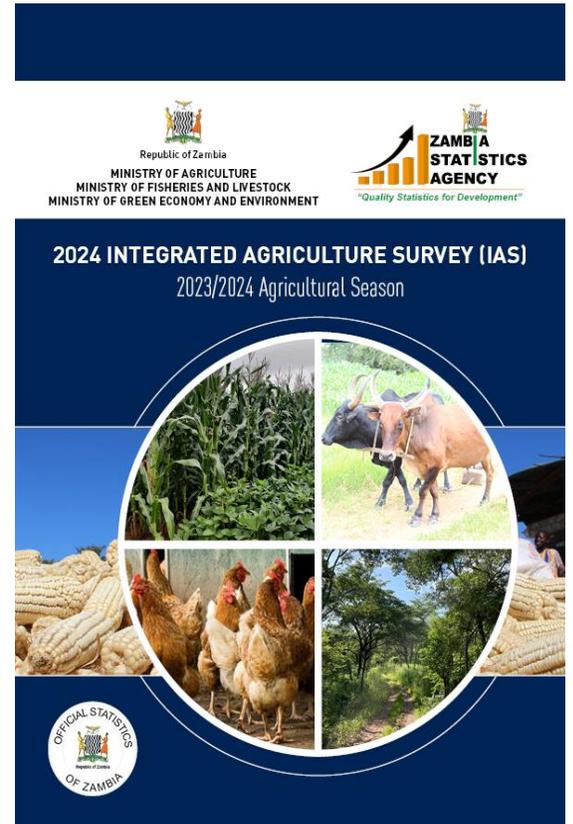
Improve Comparability and coherence:
uses international concepts and definitions



Provides market insights:
to farmers, businesses, and investors in making informed decisions regarding crop production.



Equip policymakers with reliable statistics:
for strategic planning, resource allocation, and intervention programs in the agricultural sector.



Survey Methodology

01

National Coverage

Conducted in all the 10 provinces of the country in order to provide estimates at provincial and national level.

03

Household Selection

Listing operations identified households in selected EAs, with 14 households systematically sampled from each EA using systematic random sampling.

20,300 small and medium scale households and about 2,400 large-scale farmers nationwide.

Reference Periods

Crop production data: 2023/2024 agricultural season (October 1, 2023 to September 30, 2024).

Livestock indicators: Last twelve months preceding the survey date.

02

Stratified Sampling

A total of 1,450 Enumeration Areas (EAs) were drawn considering the contribution of the provinces to crop area and livestock numbers.

04

Data Collection Period

Field operations ran from February 3 to February 28, 2025, with trained enumerators collecting comprehensive agricultural data.

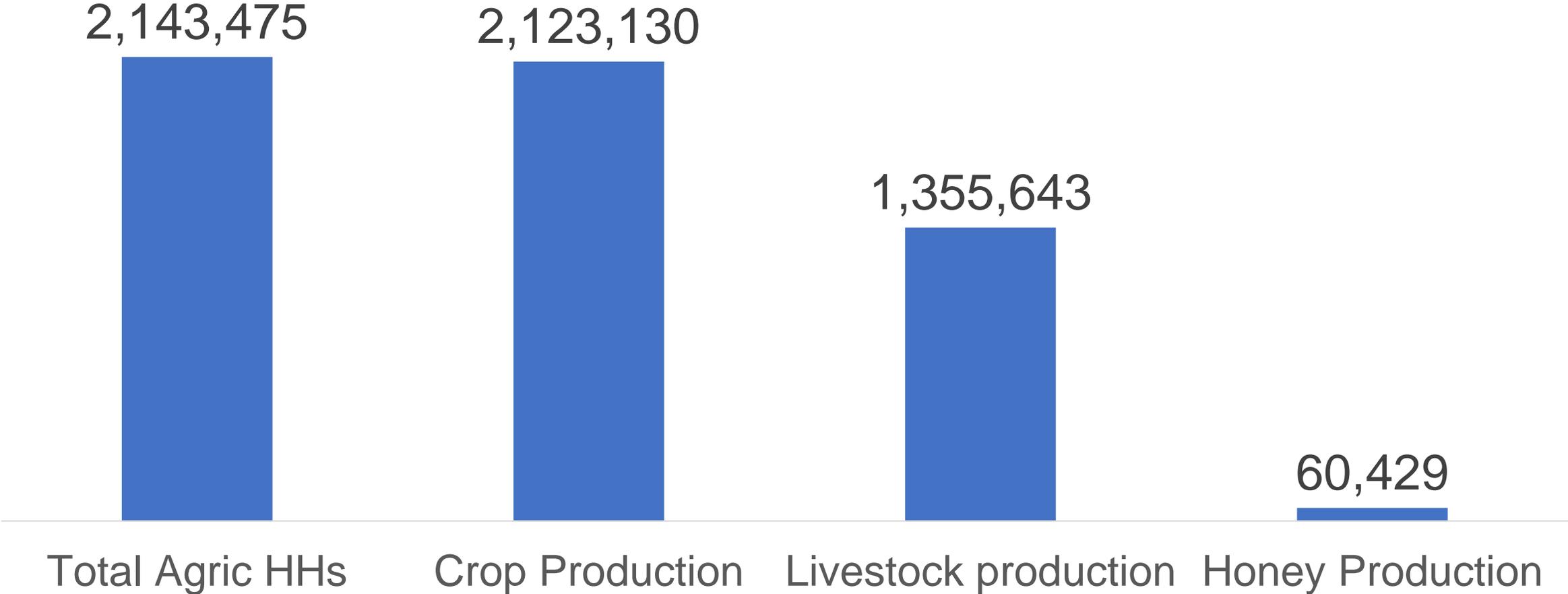
Type of Questionnaires Used

IAS 2024 had two types of questionnaires;

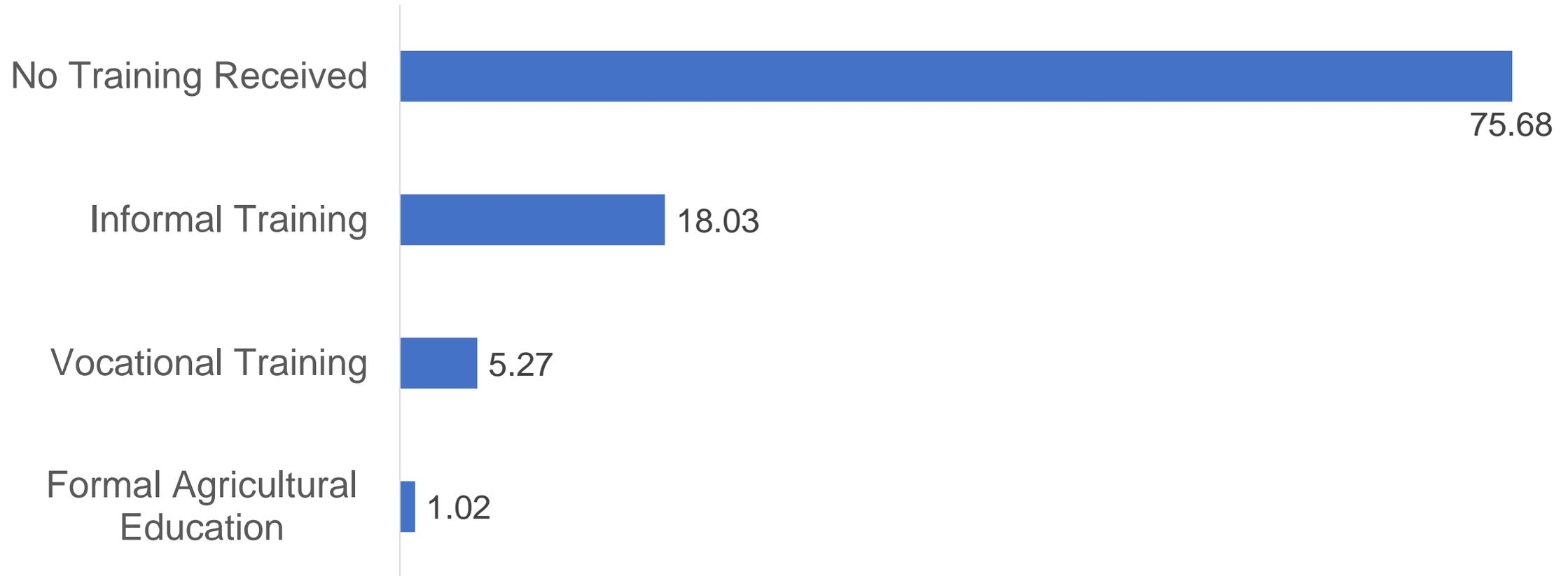
- **Household questionnaire**-used to capture both individual and household characteristics.
- **Establishment questionnaire**-covered activities of large scale agricultural households as well as establishments and institutions.

Highlights of 2024 IAS

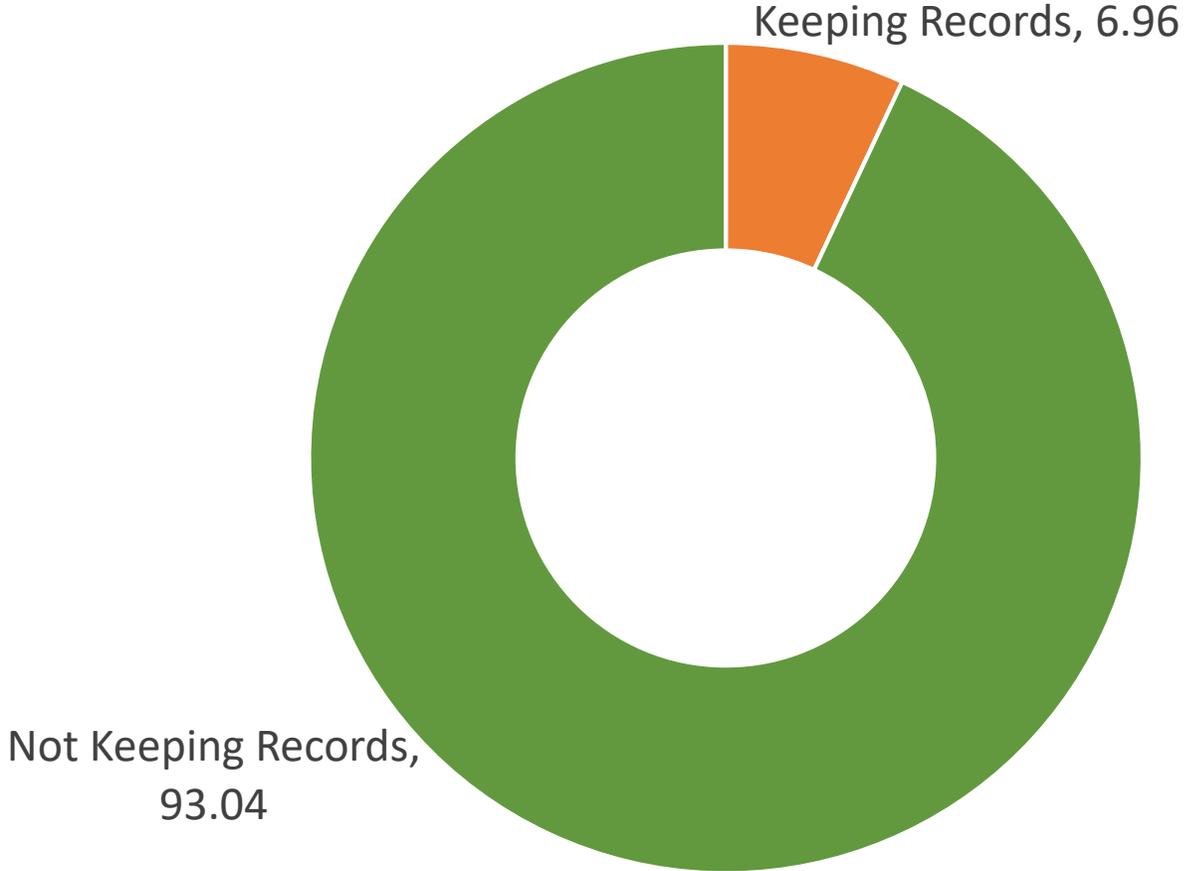
Number of Households (HHs) by Type of Agricultural Activity, IAS 2024



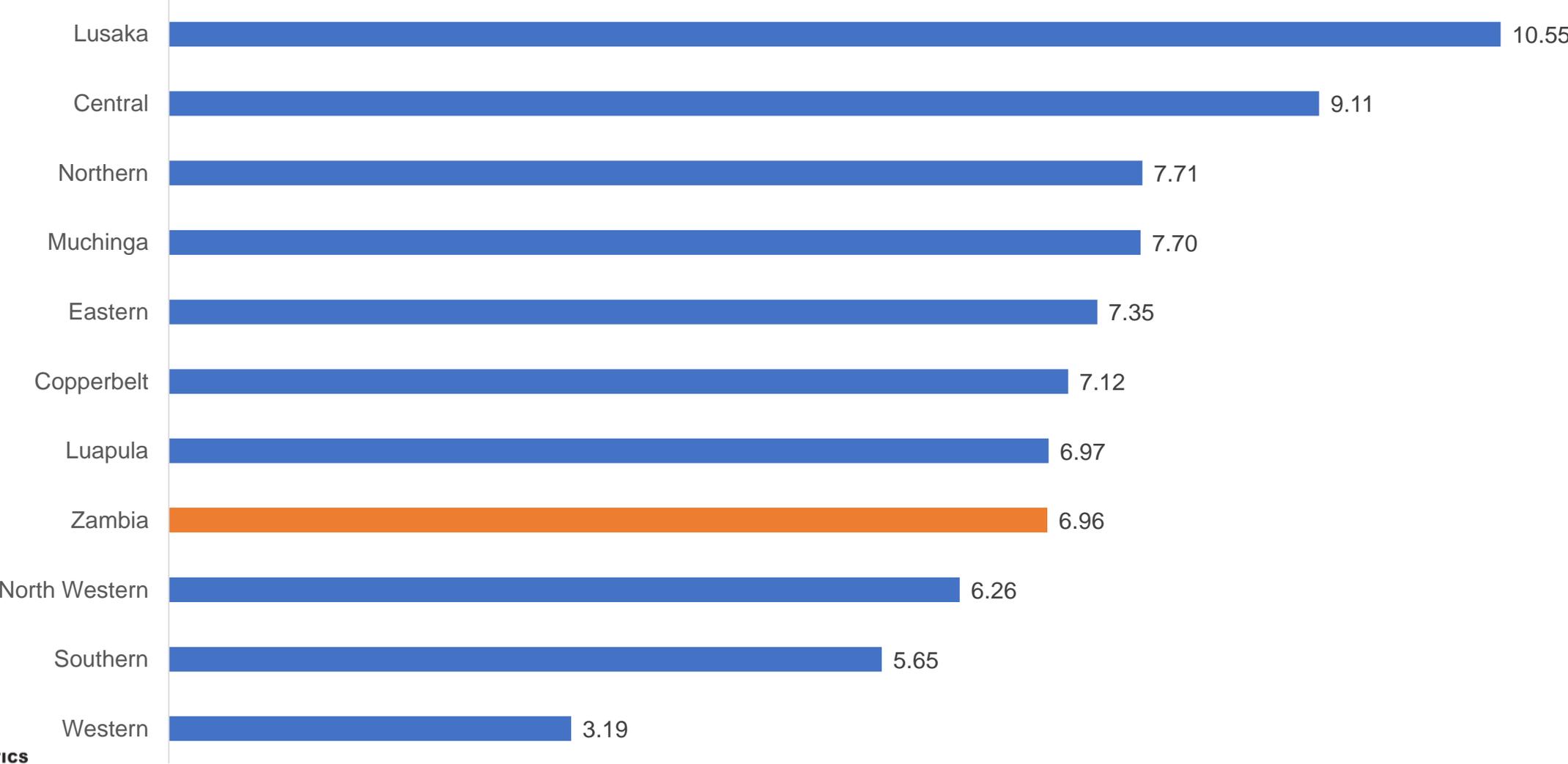
Percentage of Household Heads by Agricultural Training, IAS 2024



Percentage of Households (Small and Medium) by Record-Keeping Status, IAS 2024



Percentage of Households (Small and Medium) by Record-Keeping Status and Province, IAS 2024



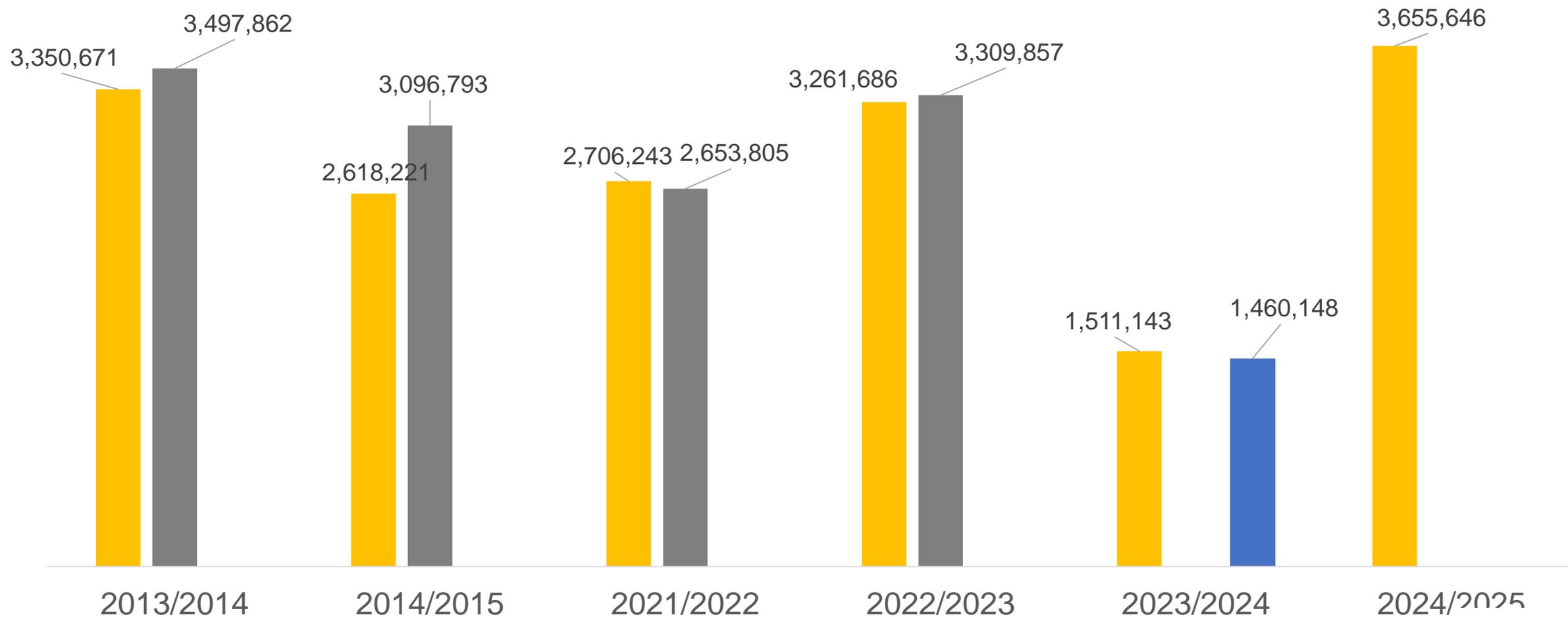
Number of Holdings Planted Crop, Maize Area planted and Harvested by Province and Category, IAS 2024

Sector	Province	Number of holdings planted crop	Area Planted (Ha)	Area Harvested (Ha)
Small and Medium Scale Housholds	Central	251,545	380,894	89,978
	Copperbelt	212,771	203,270	135,300
	Eastern	320,387	363,917	230,164
	Luapula	130,727	80,148	69,856
	Lusaka	82,982	90,112	17,053
	Muchinga	94,684	78,094	71,702
	Northern	170,724	147,942	129,132
	North Western	138,428	137,269	88,013
	Southern	256,743	455,970	48,171
	Western	209,516	230,479	58,927
		Total-Small and medium	1,868,507	2,168,097
Large Scale Farms	Total-Large Scale	2,089	64,483	42,230
All Sectors	Zambia	1,870,596	2,232,580	980,526

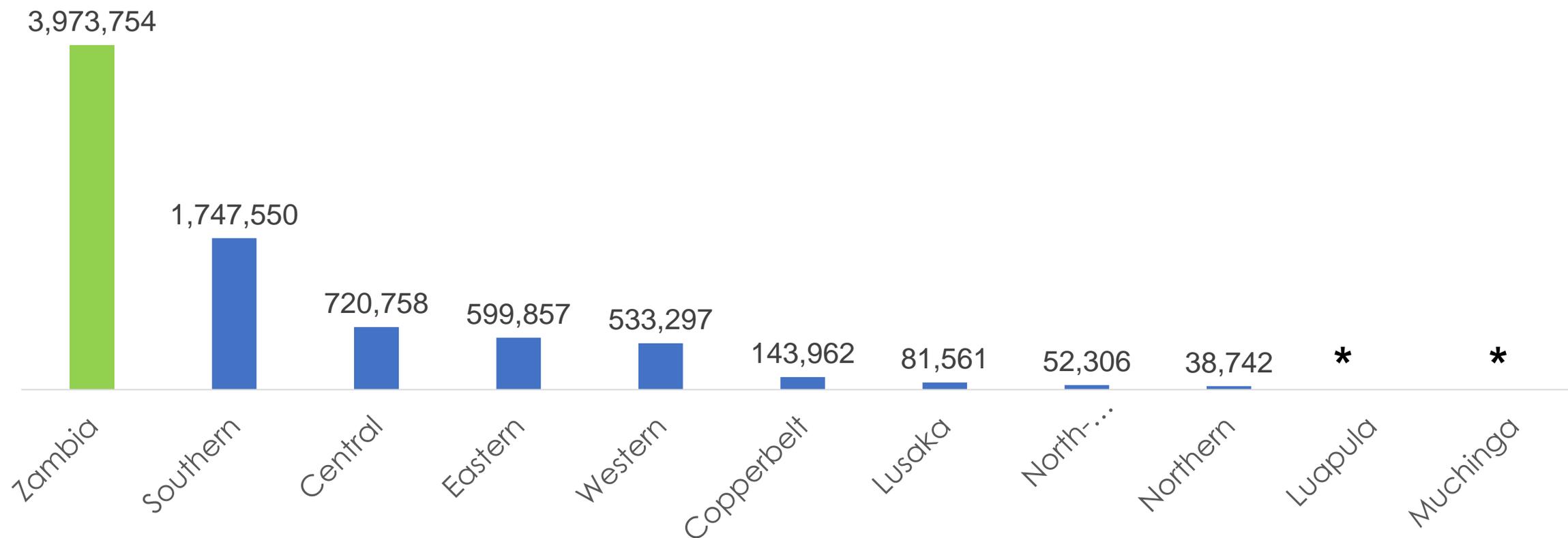
Maize Production (Mt), Yield (Mt/ha), and Sales (Mt) by Province and Category, IAS 2024

Sector	Province	Production (Tonne)	Yield on area planted (Tonne/Ha)	Yield on area harvested (Tonne/Ha)	Quantity Sold (Tonne)
Small and Medium Scale Housholds	Central	117,084	0.31	1.3	43,327
	Copperbelt	134,810	0.66	1	50,437
	Eastern	221,446	0.61	0.96	53,613
	Luapula	148,477	1.85	2.13	85,998
	Lusaka	15,315	0.17	0.9	4,358
	Muchinga	176,977	2.27	2.47	102,382
	Northern	287,576	1.94	2.23	184,429
	North Western	114,931	0.84	1.31	44,694
	Southern	25,946	0.06	0.54	3,118
	Western	33,887	0.15	0.58	6,108
		Total-Small and Medium	1,276,448	0.59	1.36
Large Scale Farms	Total-Large Scale	183,699	2.85	4.35	173,922
All Sectors	Zambia	1,460,148	0.65	1.49	752,385

Maize Production (Mt), CFS, PHS and IAS By Agricultural Season

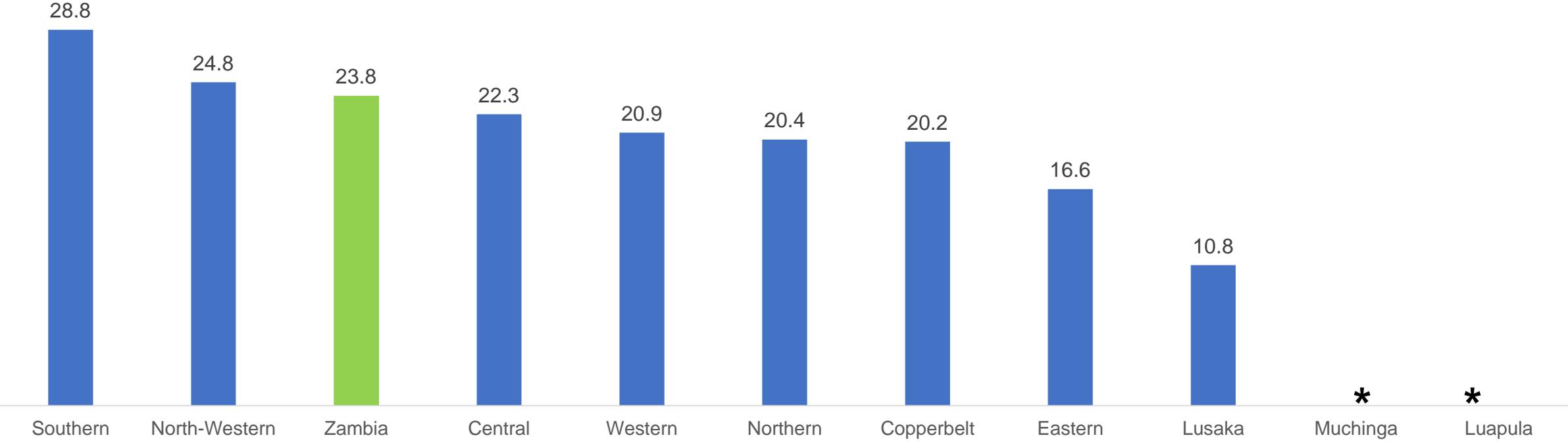


Number of Cattle Raised by Province, IAS 2024



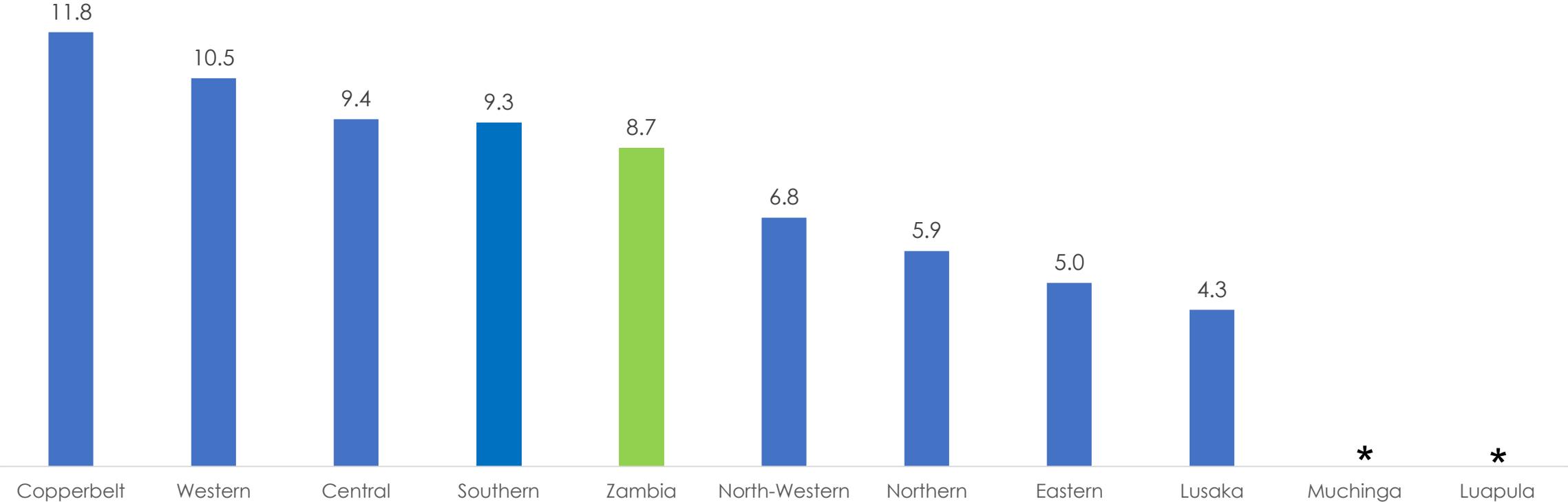
* Fewer observations to publish results

Calving Percentage under households by Province, IAS 2024



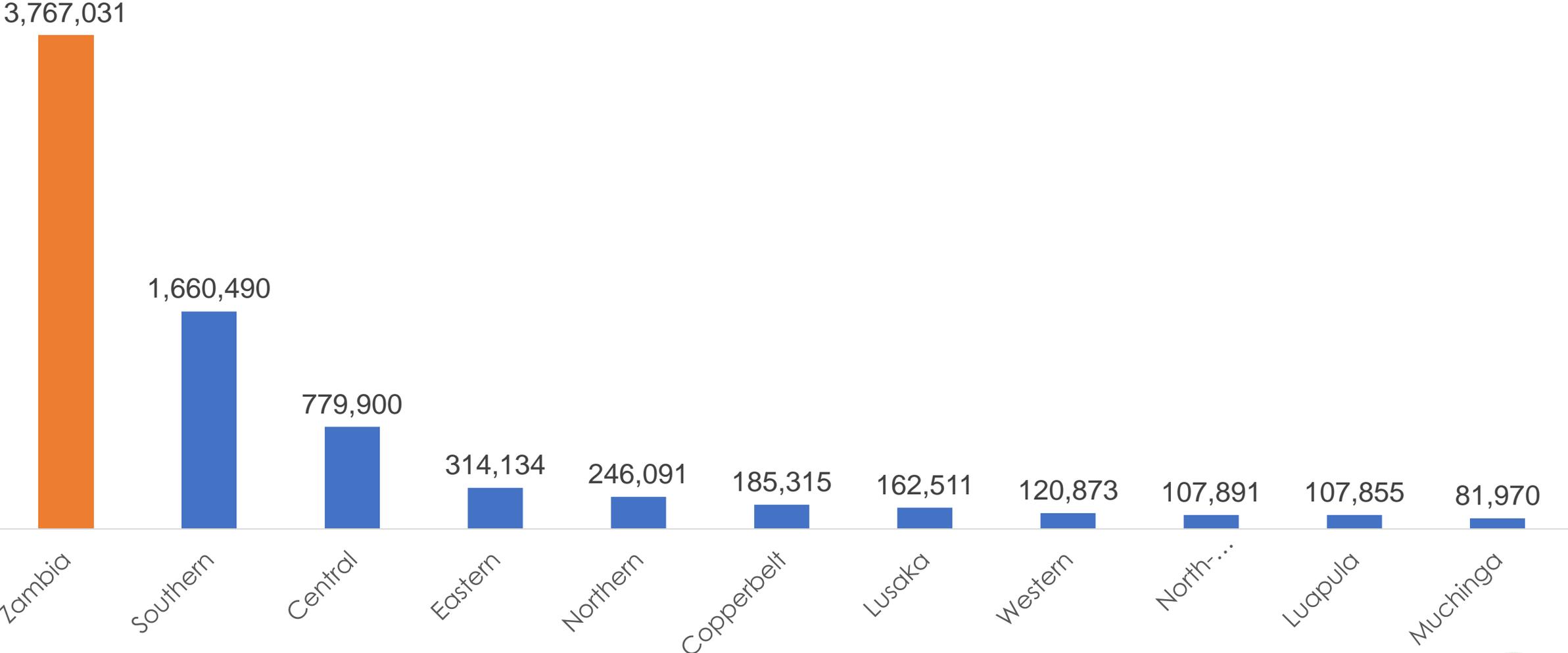
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Cattle Mortality due to Disease (Small and Medium Households) by Province, IAS 2024

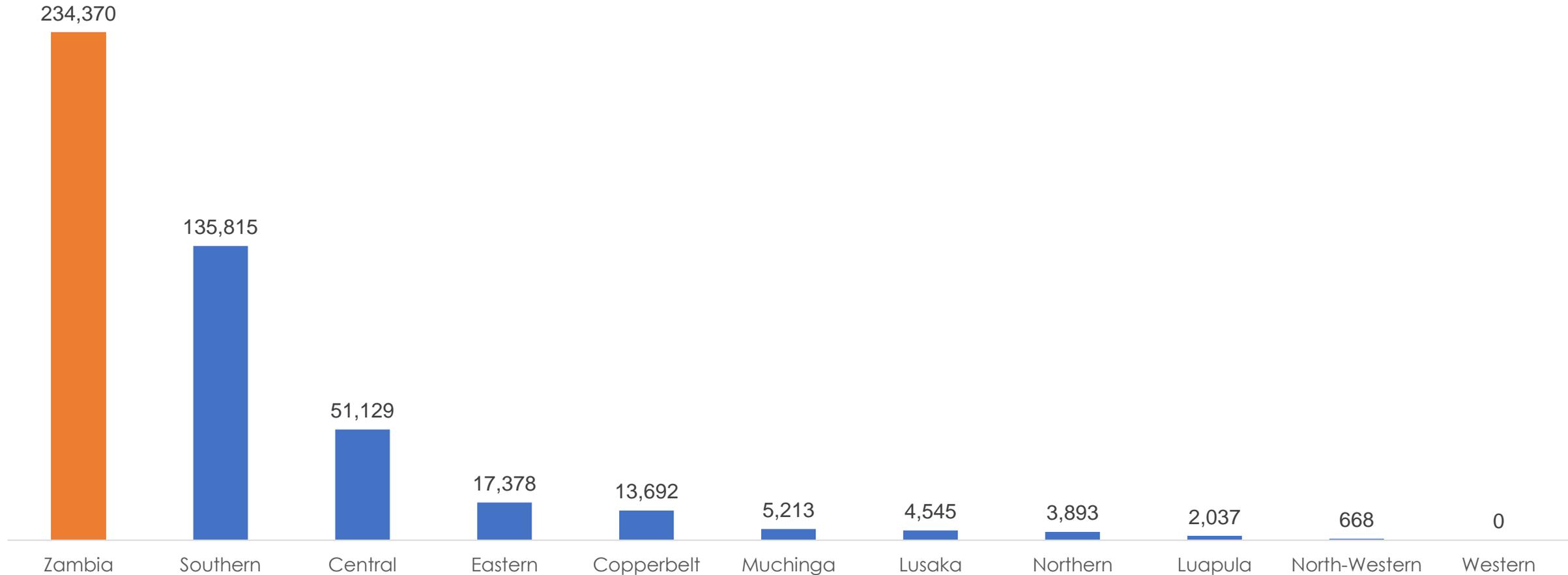


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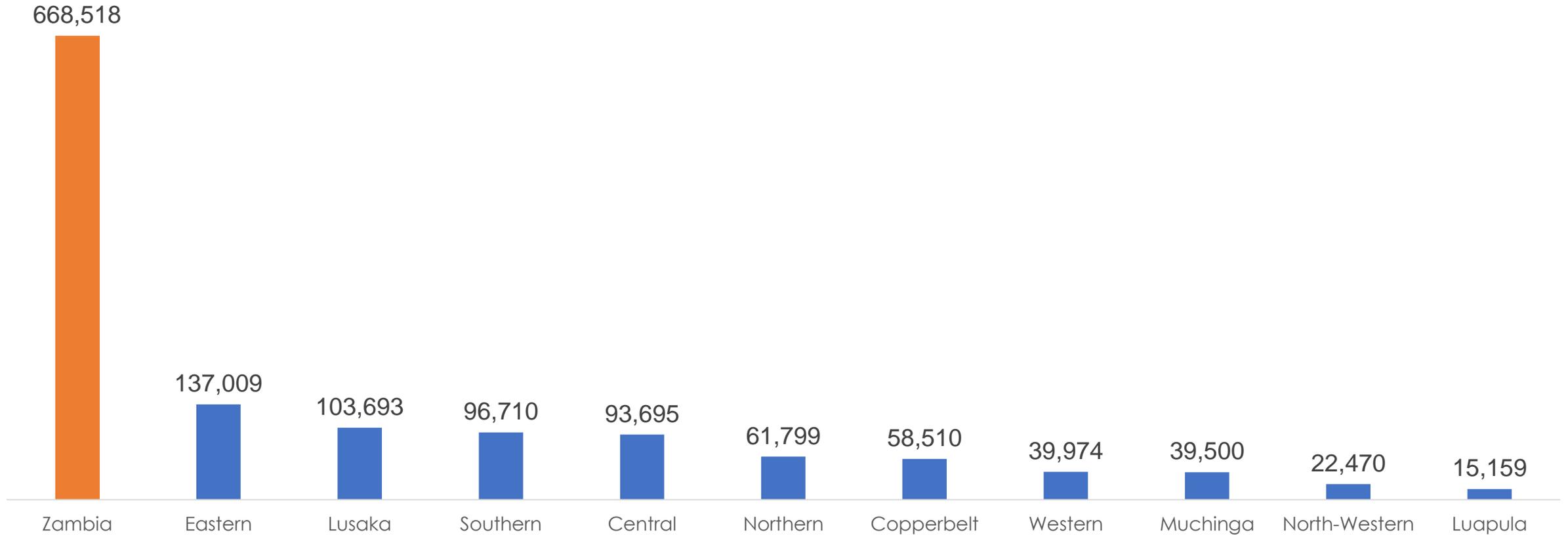
Number of Goats Raised by Province, IAS 2024



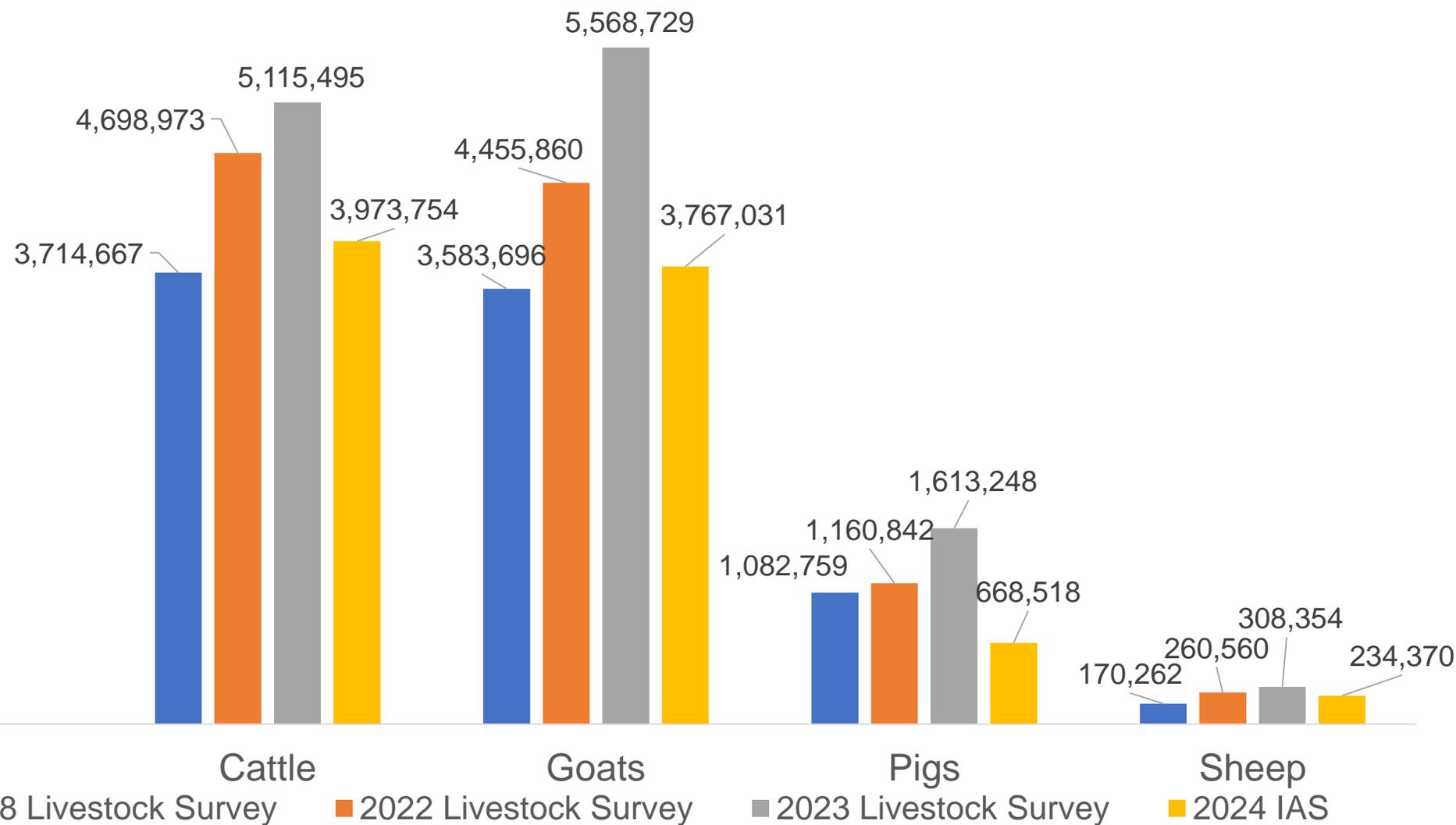
Number of Sheep Raised by Province, IAS 2024



Number of Pigs Raised by Province, IAS 2024



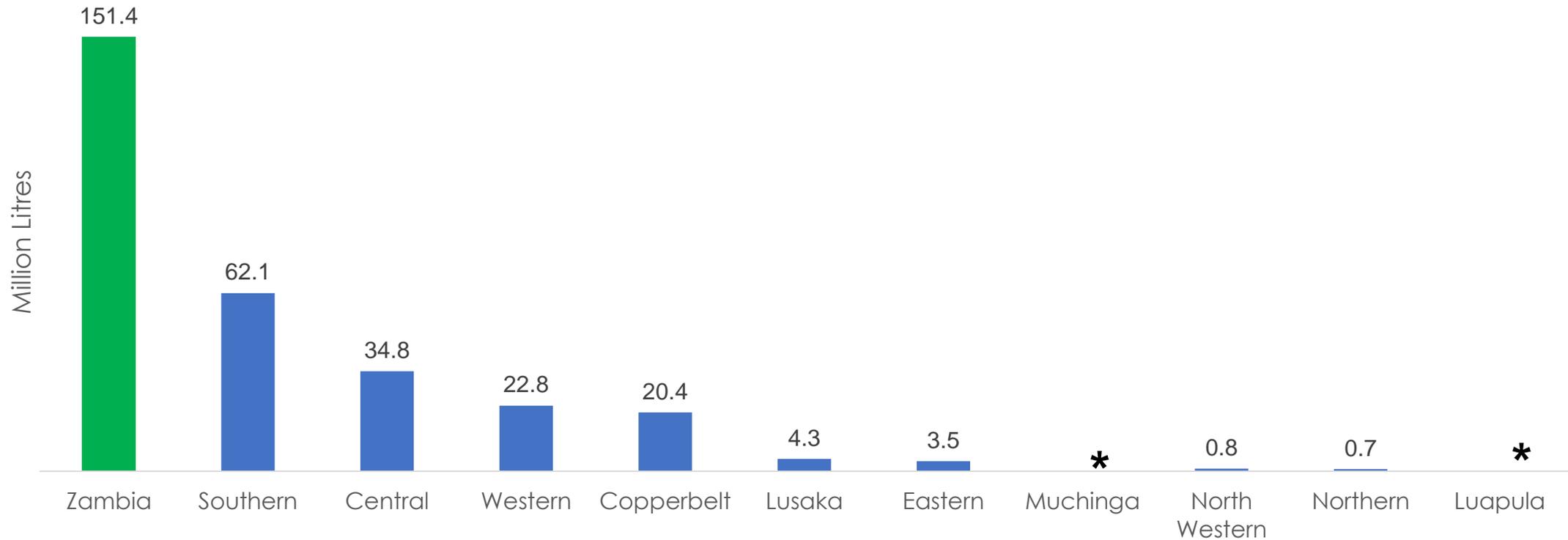
Number of Livestock Raised by Type, 2018, 2022 and 2023 Livestock Survey and IAS 2024



Number of Chickens Raised by Type and Province, IAS 2024

Province		Village Chickens	Broilers Chickens	Layers Chickens
Households	Central	1,916,131	428,198	3,298
	Copperbelt	930,642	726,964	30,678
	Eastern	1,073,406	69,111	1,471
	Luapula	484,212	83,460	175
	Lusaka	394,589	1,416,391	100,662
	Muchinga	634,804	170,183	7,386
	Northern	1,168,790	156,501	*
	North Western	728,237	172,946	63,983
	Southern	1,600,863	211,739	22,371
	Western	716,228	57,477	3,466
	Total	9,647,902	3,492,969	233,490
Establishments	Total	11,397	2,025,139	1,976,783
Zambia		9,659,299	5,518,108	2,210,273

Total Annual Milk Production (Million Litres) by Province, IAS 2024



* Fewer observations to publish results

Lessons/Challenges

- It was more of a robust survey that required more time to plan and implement.
- Consultations with key stakeholders on the process, modalities and implementation took some time.
- Being the first ever integrated survey, data processing and validation was lengthy but necessary.

Conclusion

- The findings highlight the importance to account for regional variability and farmer typologies.
- 93.04 percent of the small and medium scale households do not keep records.
- IAS 2024 and CFS 2023/2024 maize production shows 1,460,148 Mt and 1,511,143 Mt respectively.
- Southern province accounted for 43.97 percent of the total number of cattle raised.
- Southern, Central, Western and Copperbelt produces above 90 percent of Zambia's milk.

Acknowledgements

The successful implementation of the 2024 Integrated Agriculture Survey reflects the dedication and commitment of numerous partners and stakeholders. We extend our sincere gratitude to all who contributed to this milestone achievement.



International Partners

World Bank, FAO, IFAD, for their support through the 50x2030 Initiative.



Government Collaborators

Ministry of Agriculture, Ministry of Fisheries and Livestock, and Ministry of Green Economy and Environment for invaluable collaboration and sectoral expertise.



ZamStats Team

ZamStats management and staff at all levels who participated in the IAS process, demonstrating exceptional hard work, dedication, and personal sacrifice.



Farming Community

The farmers and agricultural institutions who generously allowed data collectors to visit their households and operations, making this survey possible.

Together, we are building a data-smart agricultural future for Zambia. This survey represents not just data collection, but a collective commitment to evidence-based agricultural transformation that will benefit generations to come.

Thank You

For more information, please contact ZamStats.

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