USDA Economic Research Service
U.S. DEPARTMENT OF AGRICULTURE

ERS Resources & Statistics: Exploration of U.S. Dry Bean Statistics

2024 U.S. Dry Bean Convention
Savannah, Georgia
August 2024

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Note: Names listed with presenter first and all other members of the Specialty Crop Team listed in alphabetical order by last name.

Disclaimer: This research was supported by the U.S. Department of Agriculture, Economic Research Service. The findings and conclusions in this publication are those of the authors and should not be construed to represent any official USDA or U.S. Government determination or policy.

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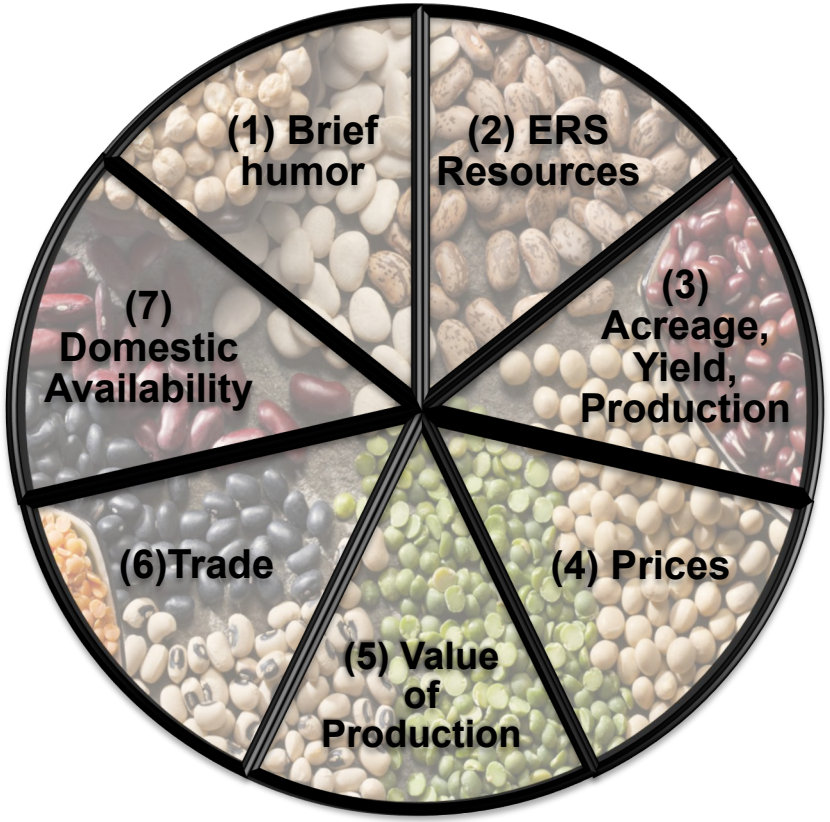
Key Slices — Presentation Outline



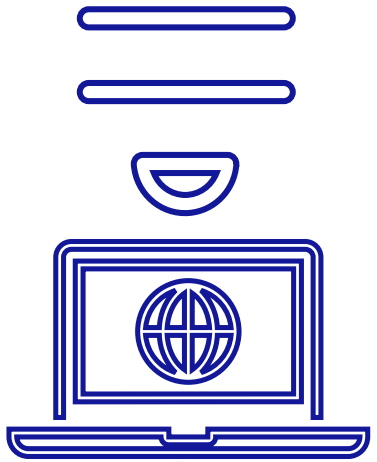
Why were the dry beans eager for their interviews?

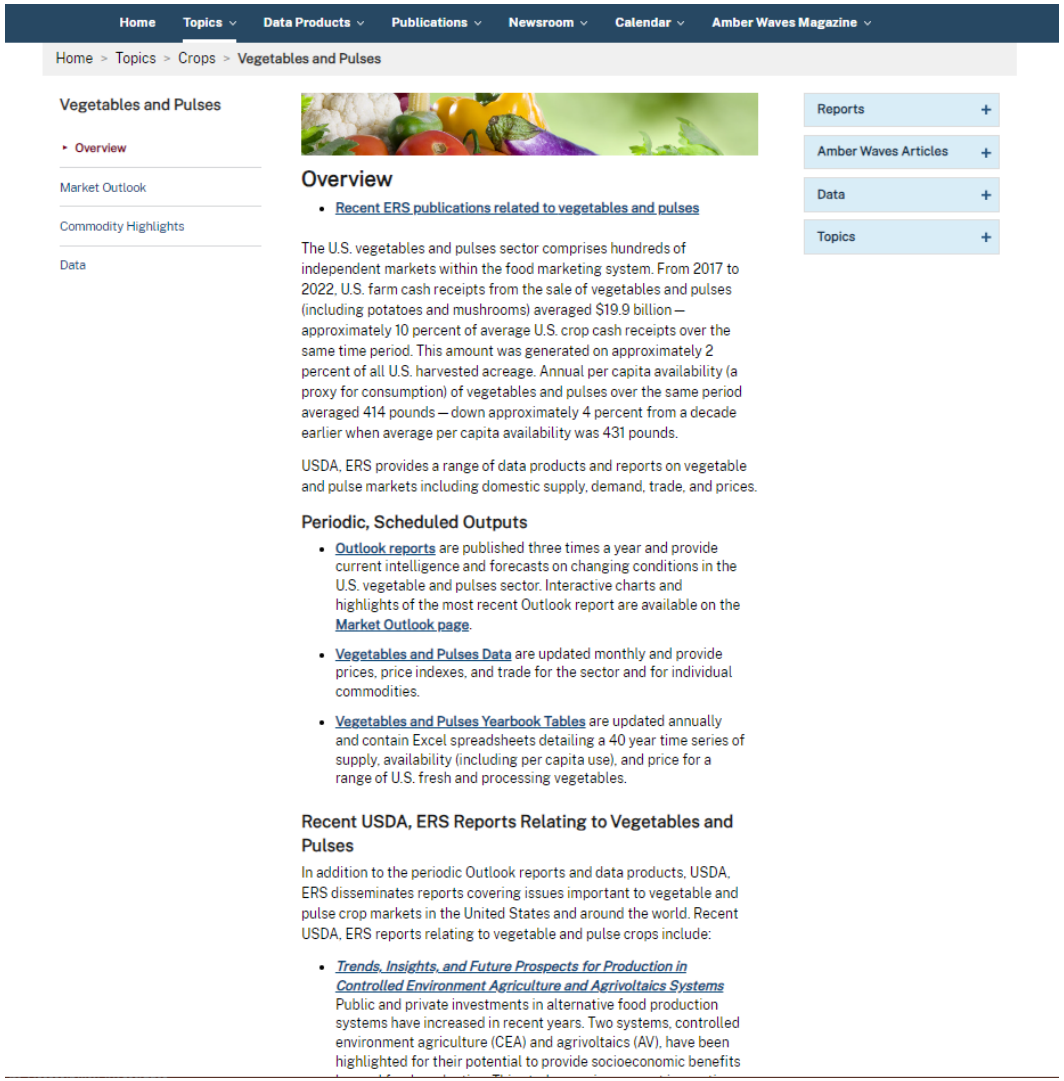
Brief Dry Humor

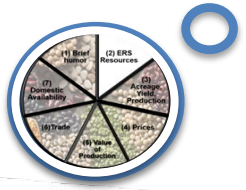
They couldn't wait to spill the beans about their talents...

Mr. Blackeye Pea and Mr. Chickpea

Brief Dry Humor

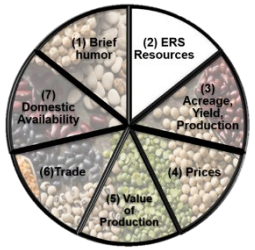




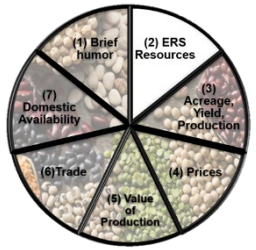


ERS Resources

ERS Specialty Crop Resources for Pulse Crops



Annual Yearbook Tables – High Level Inventory



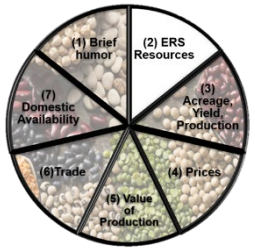
Pulse Yearbook Tables

- Supply and availability (13)
- Import and export value (2)
- Per capita availability (2)
- Harvest, production, and crop value (1)

Table 60--U.S. dry edible beans and chickpeas: supply, availability, and price, farm weight/1

	Supply				Availability					Season average price	
	Million pounds								Pounds	U.S. dollars/cwt	
Year	Production/2	Imports/3	Beginning stocks/4	Total supply	Exports/3	Seed use/5	Ending stocks/4	Domestic availability	Per capita availability	Current dollars/2,6	Constant 2012 dollars/7
1984	2,107.0	58.3	921.3	3,086.6	593.8	84.0	1,130.8	1,278.0	5.41	18.70	35.35
1985	2,217.5	58.1	1,130.8	3,406.4	638.4	84.9	1,034.8	1,648.2	6.91	17.60	32.25
1986	2,288.6	47.5	1,034.8	3,370.9	846.0	93.4	901.2	1,530.2	6.36	19.10	34.31
1987	2,603.1	53.3	901.2	3,557.6	758.6	78.6	1,413.3	1,307.2	5.38	16.50	28.92
1988	1,925.3	64.5	1,413.3	3,403.1	838.7	92.2	794.6	1,677.6	6.85	29.90	50.63
1989	2,372.9	97.2	794.6	3,264.7	832.1	110.6	981.6	1,340.5	5.42	28.50	46.44
1990	3,237.9	90.3	981.6	4,309.7	1,107.3	97.1	1,422.2	1,683.2	6.73	18.50	29.06
1991	3,376.5	75.8	1,422.2	4,874.5	1,011.3	81.3	1,919.4	1,862.5	7.35	15.60	23.70
1992	2,261.5	67.7	1,919.4	4,248.7	620.3	92.2	1,527.7	2,008.5	7.82	19.90	29.56
1993	2,186.2	67.4	1,527.7	3,781.3	683.2	99.4	1,118.0	1,880.8	7.23	24.60	35.69
1994	2,896.7	75.9	1,118.0	4,090.5	797.0	104.5	1,158.5	2,030.5	7.71	22.50	31.96
1995	3,069.0	84.8	1,158.5	4,312.3	831.7	93.6	1,386.2	2,000.8	7.51	20.80	28.94
1996	2,791.2	88.0	1,386.2	4,265.4	754.3	96.7	1,409.6	2,004.8	7.43	23.50	32.11
1997	2,937.0	100.8	1,409.6	4,447.4	803.2	105.2	1,520.3	2,018.7	7.40	19.30	25.93
1998	3,041.8	92.4	1,520.3	4,654.5	1,106.3	105.7	1,438.0	2,004.4	7.26	19.00	25.24
1999	3,314.6	125.0	1,438.0	4,877.6	843.9	91.9	1,762.7	2,179.1	7.80	16.40	21.47
2000	2,654.3	128.9	1,762.7	4,545.9	788.4	75.7	1,512.2	2,169.7	7.68	15.50	19.85
2001	1,961.0	192.5	1,512.2	3,665.7	755.5	100.4	800.8	2,009.0	7.04	22.10	27.70
2002	3,031.2	245.8	800.8	4,077.8	673.2	73.8	1,368.0	1,962.8	6.81	17.10	21.10
2003	2,249.2	190.6	1,368.0	3,807.7	648.4	70.3	1,119.8	1,969.2	6.77	18.40	22.29
2004	1,774.3	207.1	1,119.8	3,101.2	561.4	84.6	697.9	1,757.3	5.99	25.70	30.31
2005	2,657.6	224.9	697.9	3,580.4	564.1	84.6	1,118.3	1,813.4	6.12	18.50	21.16
2006	2,415.5	237.2	1,118.3	3,771.1	791.8	79.8	971.9	1,927.5	6.45	22.10	24.54
2007	2,558.6	283.8	971.9	3,814.3	668.3	78.1	1,145.4	1,922.6	6.37	28.80	31.14
2008	2,558.8	327.1	1,145.4	4,029.3	916.0	81.0	1,066.5	1,965.8	6.45	34.60	36.70
2009	2,542.7	296.9	1,066.5	3,906.1	1,035.1	99.9	1,002.4	1,768.7	5.75	30.00	31.58
2010	3,180.1	288.6	1,002.4	4,471.3	1,000.6	65.3	1,184.7	2,220.8	7.17	28.00	27.66
2011	1,989.0	320.3	1,184.7	3,493.9	983.3	91.3	772.9	1,646.4	5.28	42.10	40.79
2012	3,192.5	310.2	772.9	4,275.6	1,237.5	72.2	1,257.7	1,708.2	5.44	38.00	36.13
2013	2,458.7	265.7	1,257.7	3,982.1	1,086.6	90.1	1,172.5	1,632.8	5.16	39.10	36.57
2014	2,891.0	335.0	1,172.5	4,398.5	1,179.3	94.2	1,211.8	1,913.2	6.01	32.30	29.72
2015	3,005.7	349.5	1,211.8	4,567.0	946.6	88.3	1,248.8	2,283.2	7.12	27.30	26.05
2016	2,872.4	339.3	1,248.8	4,460.5	1,023.3	114.2	1,160.4	2,162.5	6.69	29.20	27.56
2017	3,596.1	350.7	1,168.5	5,115.4	1,181.1	116.0	1,346.0	2,472.3	7.60	26.70	24.78
2018	3,774.5	392.9	1,354.0	5,521.3	913.9	95.9	1,770.2	2,741.3	8.39	25.40	23.02
2019	2,701.2	314.2	1,778.8	4,794.2	1,127.7	107.8	1,586.6	1,972.2	6.00	31.80	28.32
2020	3,675.2	439.3	1,592.1	5,706.6	1,144.1	96.4	1,802.7	2,663.4	8.07	30.89	27.16
2021	2,558.2	420.9	1,807.7	4,786.7	1,031.3	91.5	1,266.6	2,397.4	7.23	38.98	32.85

-- = Not available. Cwt = hundredweight. Most recent year is preliminary.
1/ Includes garbanzo beans (chickpeas).
2/ Source: USDA, National Agricultural Statistics Service.
3/ Source: U.S. Department of Commerce, U.S. Census Bureau.
4/ Assumes no carryover into next crop year. Approximated from State dry bean marketing patterns.
5/ Estimated by USDA, Economic Research Service.
6/ Season-average grower price across all classes. Estimated by USDA, ERS after 2019.
7/ Deflated by the Gross Domestic Product implicit price deflator, 2012=100.
Source: USDA, Economic Research Service.



Commodity Highlights – High Level Inventory

Pulse Visualizations

- Production and Prices (13)
- Area Harvested (2)
- Imports and Exports (13)
- Import and Export shares (13)
- Per Capita Availability (13)

Commodity Highlights

The statistics shown in these interactive charts are available for download in a machine readable .csv file format. Download the complete Commodity Highlights Data file.

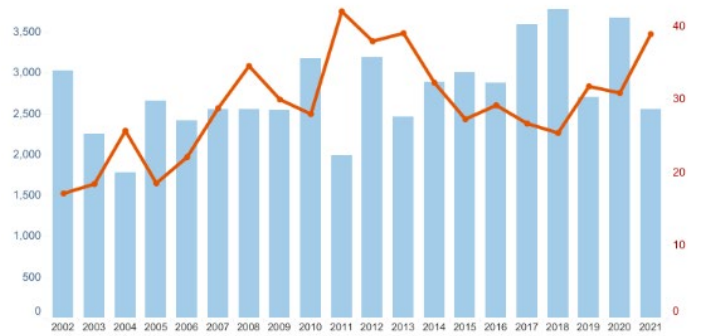
Production and prices | Area harvested | Imports and exports | Import and export shares | Per capita availability

Production and prices, 2002-2021

Select a commodity: Edible beans all, excluding chickpeas, dry

Production (Left axis)

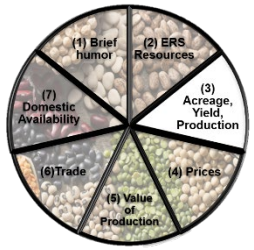
Million pounds | Current U.S. dollars per cwt



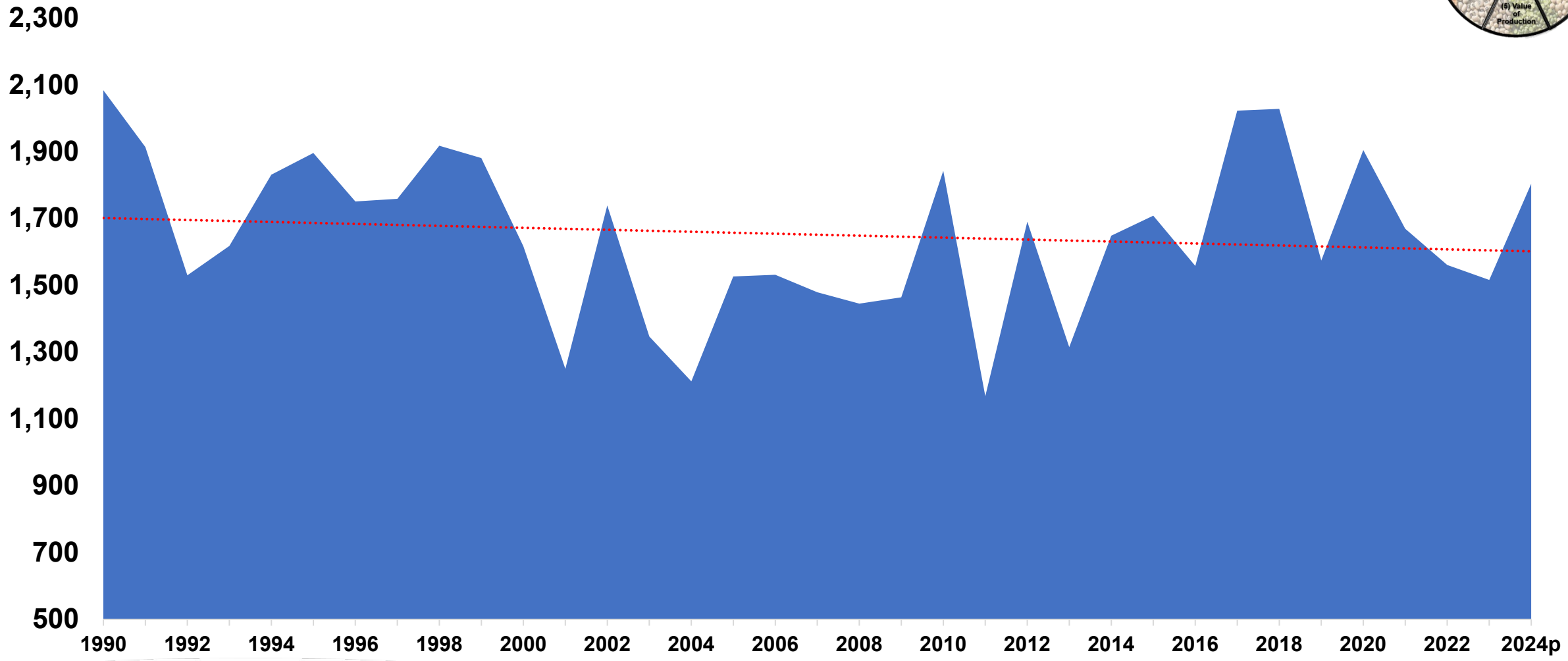
Cwt = hundredweight.

Source: USDA, Economic Research Service, Vegetables and Pulses Yearbook 2022.

U.S. dry beans[1]: Acres harvested trending lower, 1990–2024

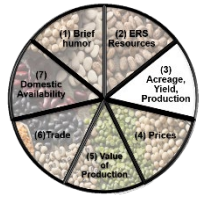


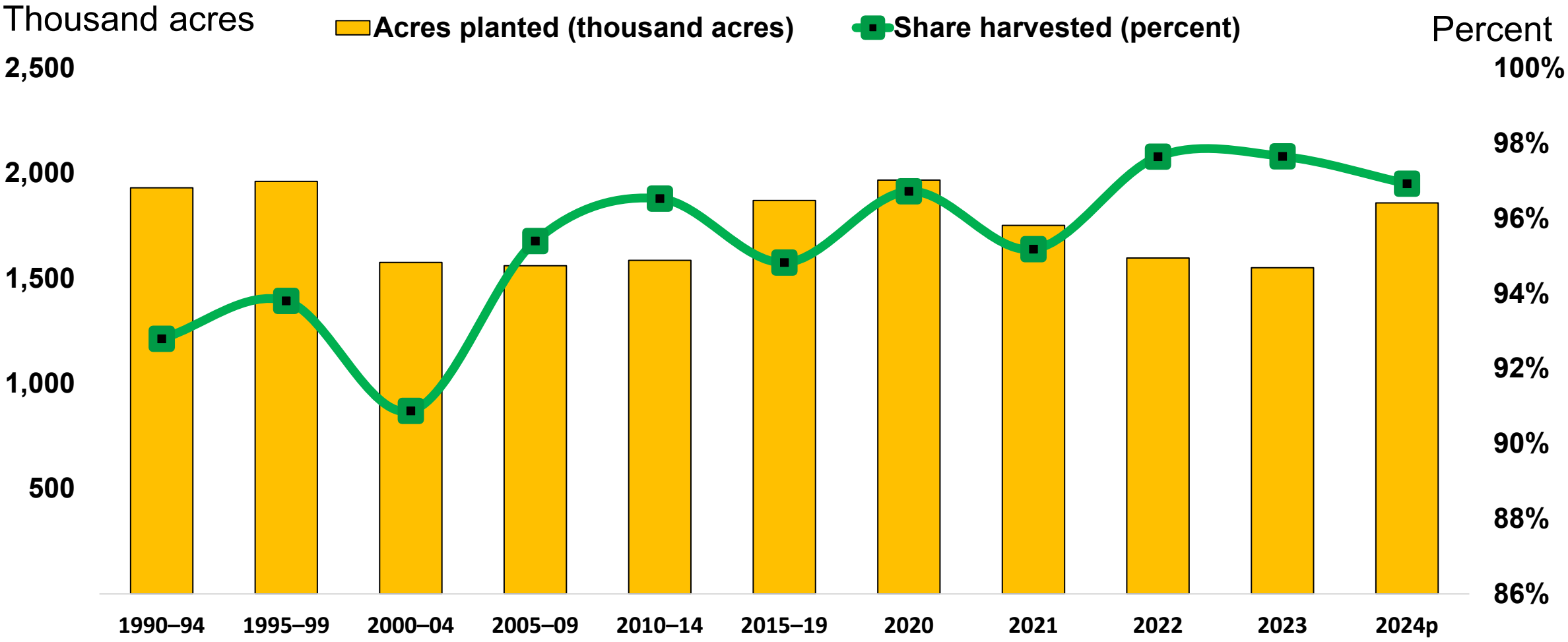
Thousand acres



Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

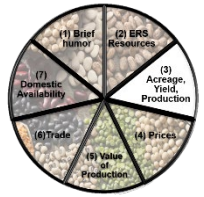
U.S. dry beans[1]: Area planted and share harvested with declining planted acreage in recent years

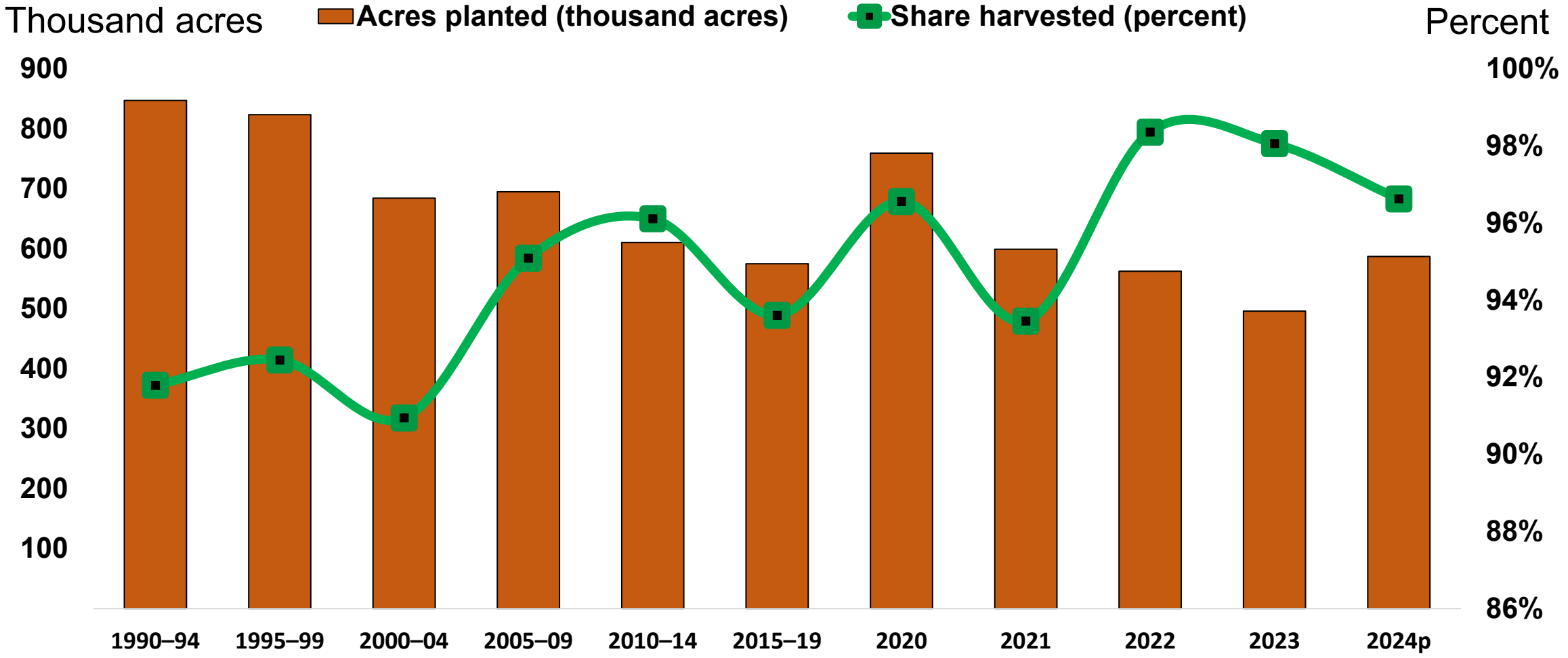




Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

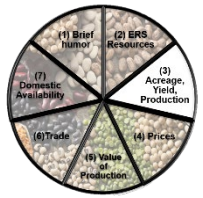
U.S. pinto beans: Area planted and share harvested

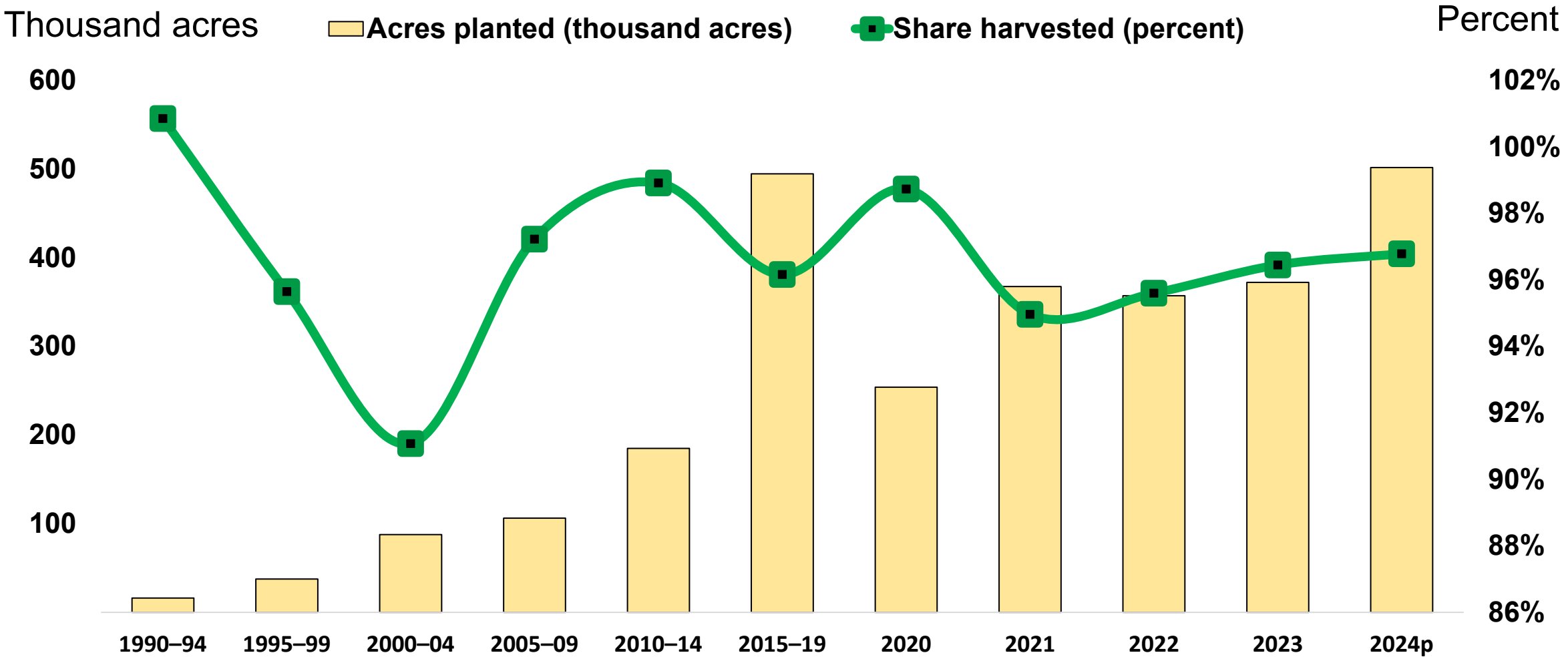




Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

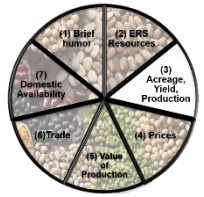
U.S. chickpeas: Area planted and share harvested

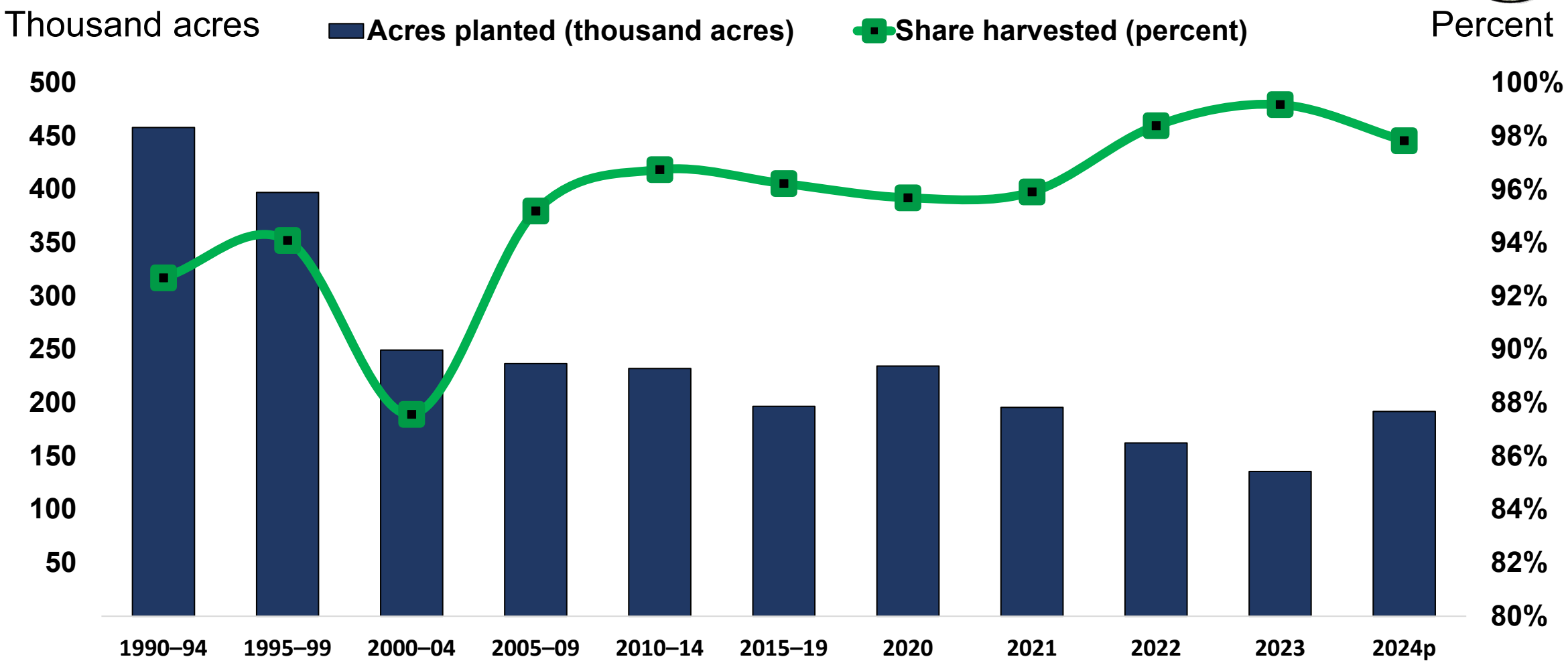




Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

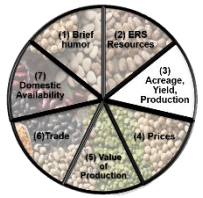
U.S. navy beans: Area planted and share harvested

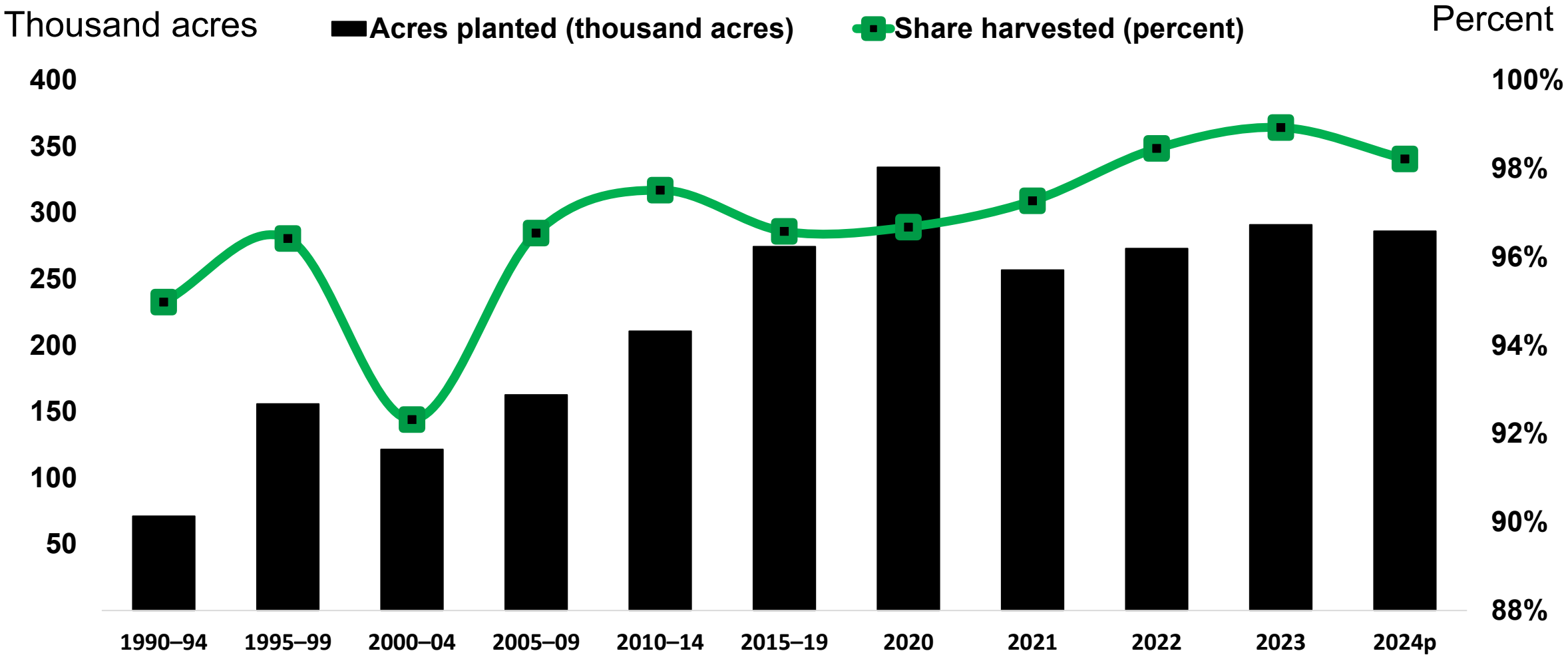




Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

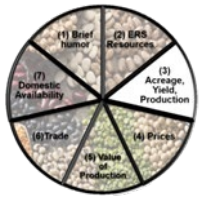
U.S. black beans: Area planted and share harvested



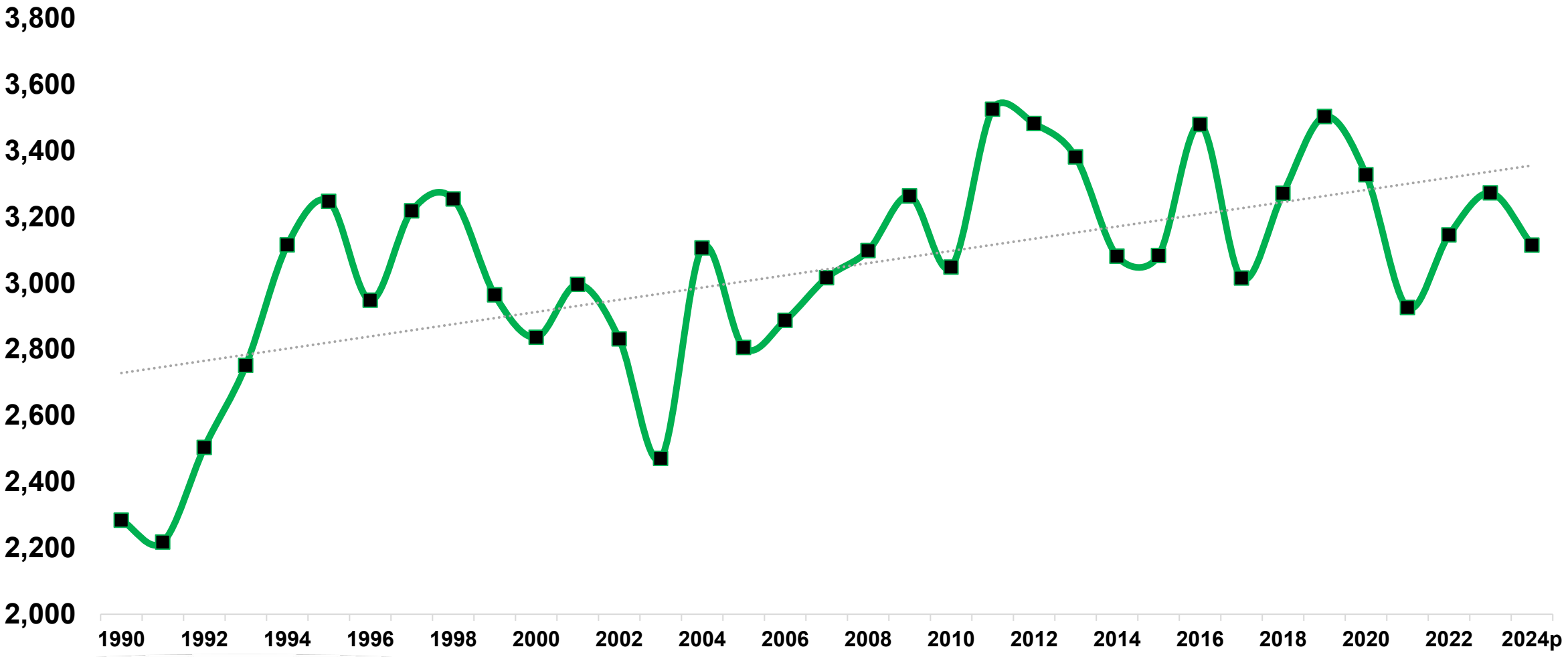


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

U.S. dry beans[1]: Yield trending higher, 1990-2024p

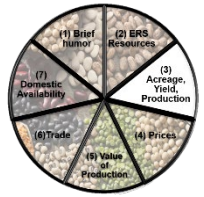


Pounds per acre

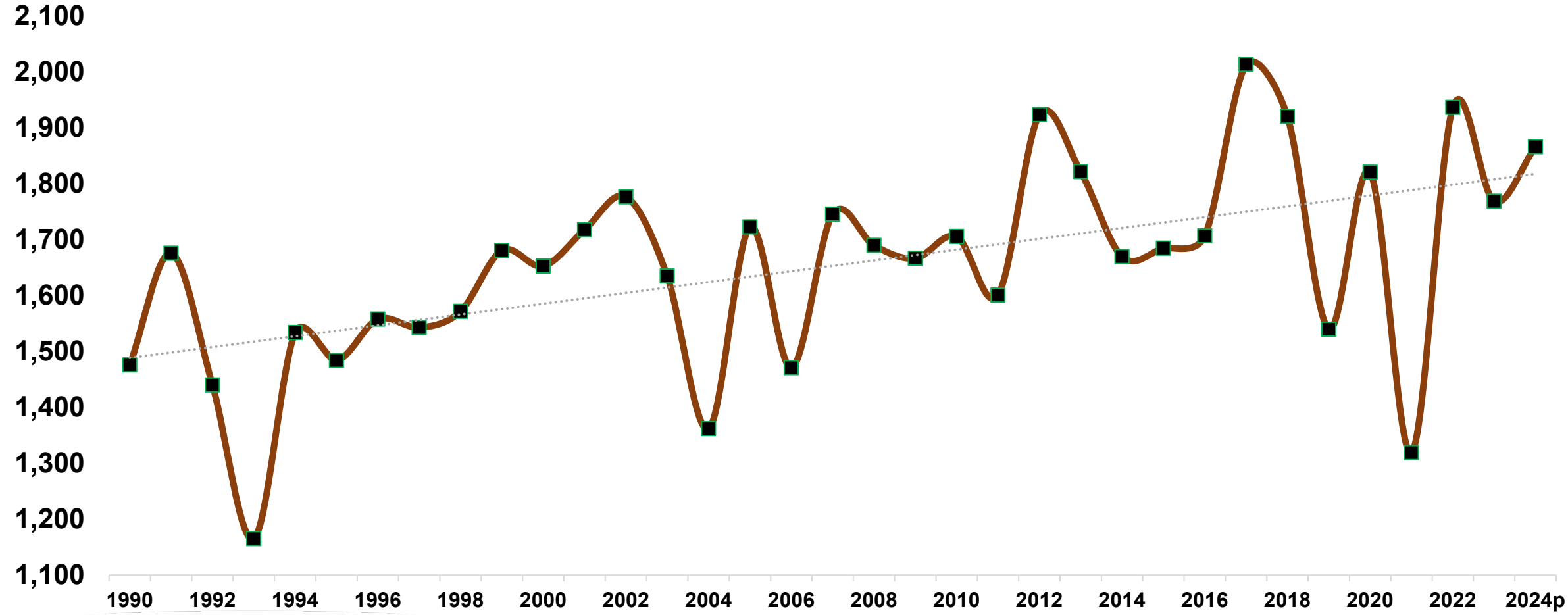


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

U.S. pinto beans: Yield trending higher, 1990-2024p

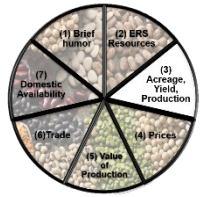


Pounds per acre

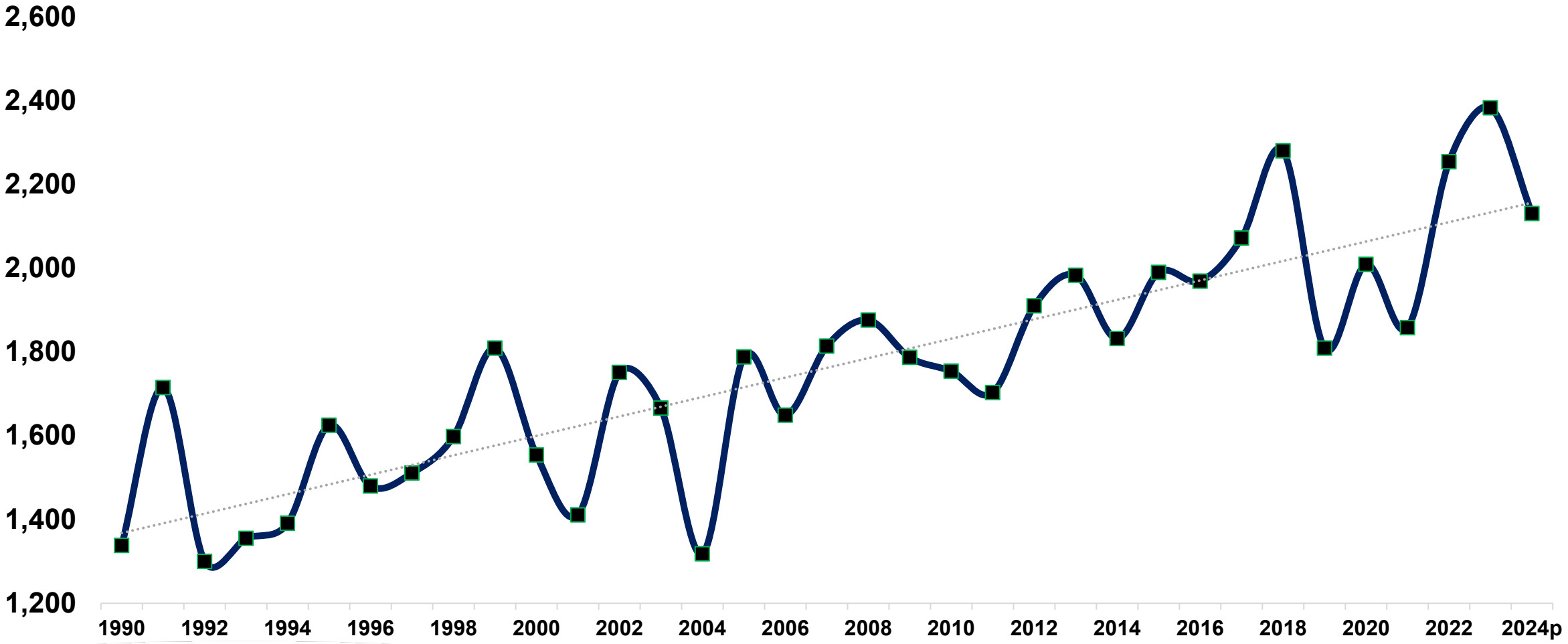


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

U.S. navy beans: Yield trending higher, 1990-2024p

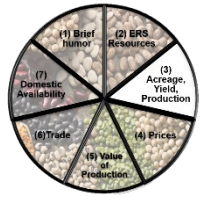


Pounds per acre

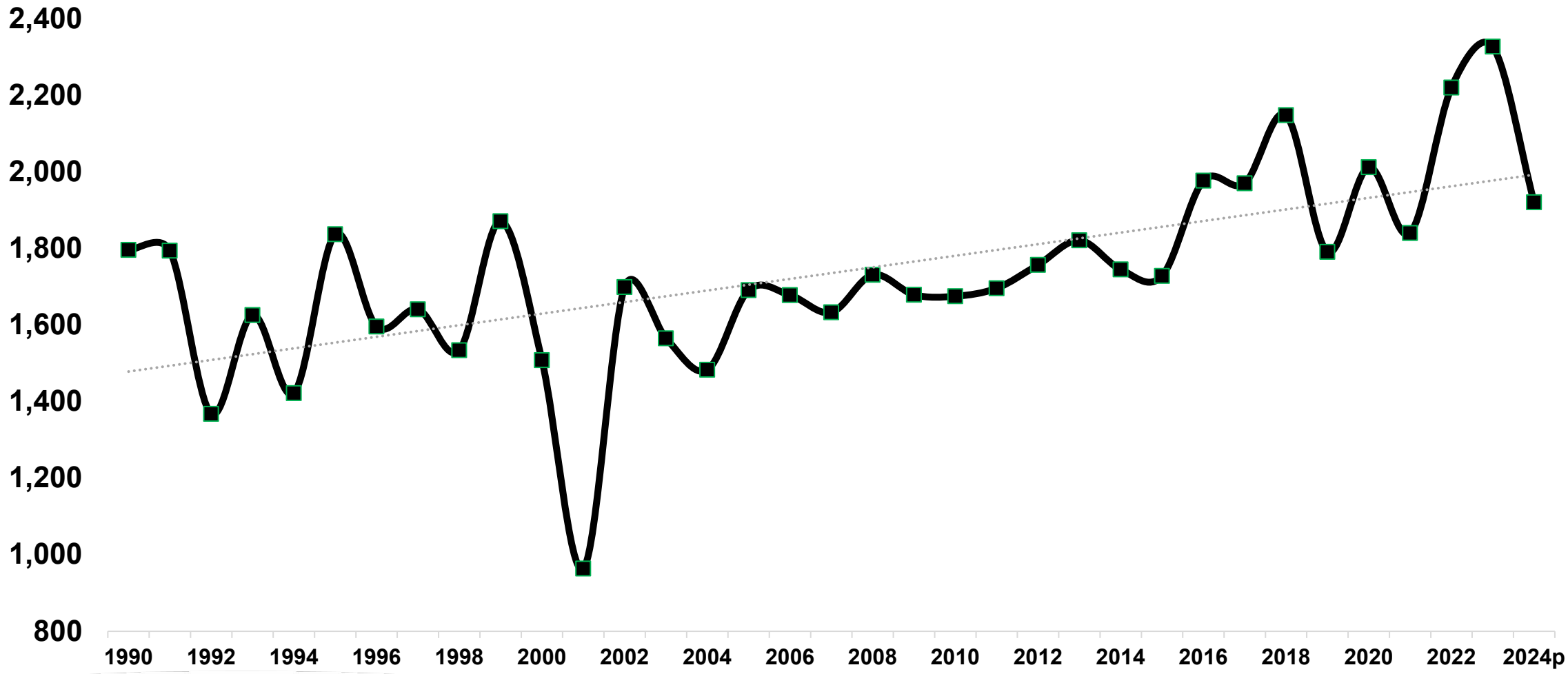


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

U.S. black beans: Yield trending higher, 1990-2024p

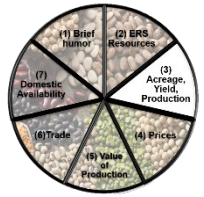


Pounds per acre

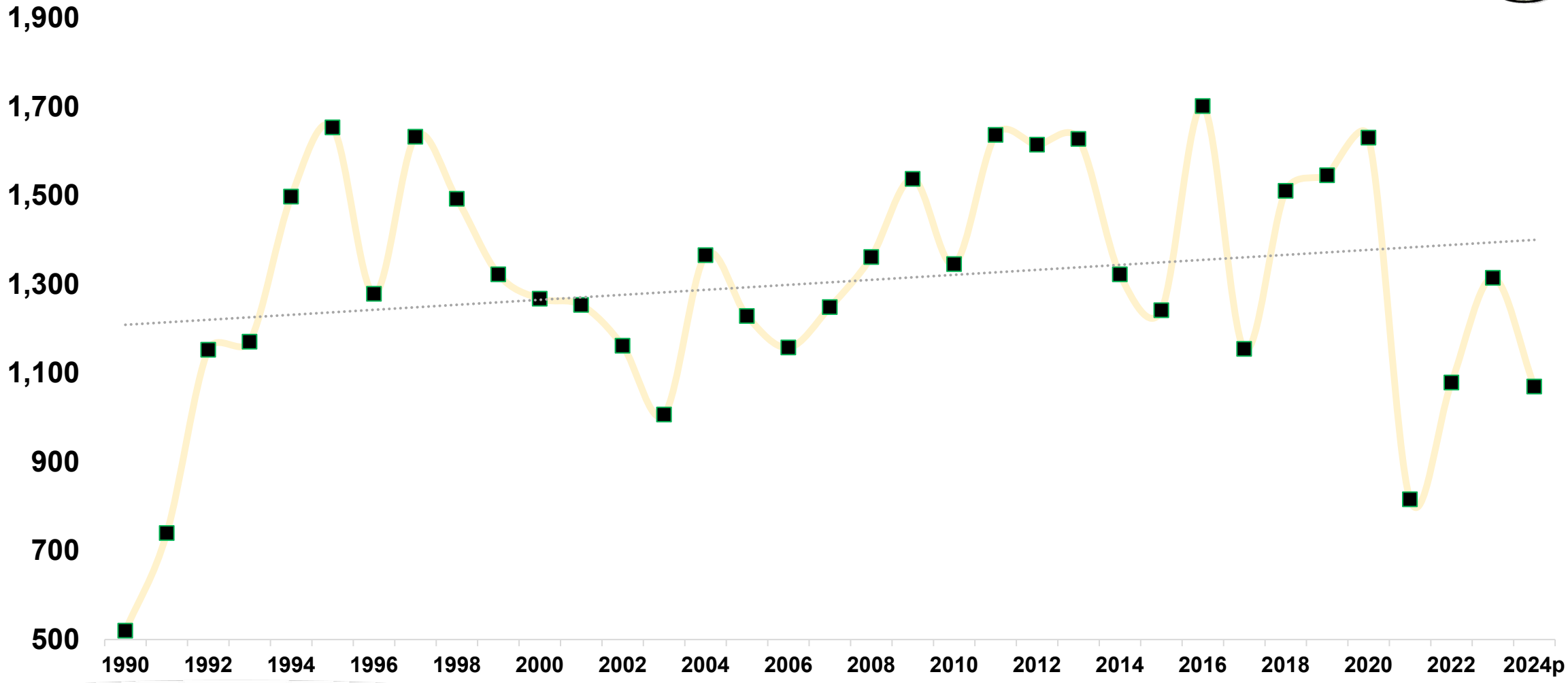


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

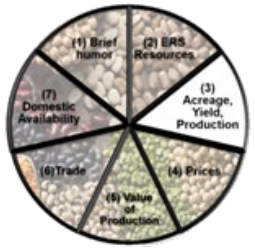
U.S. chickpeas: Yield trending higher, 1990-2024p



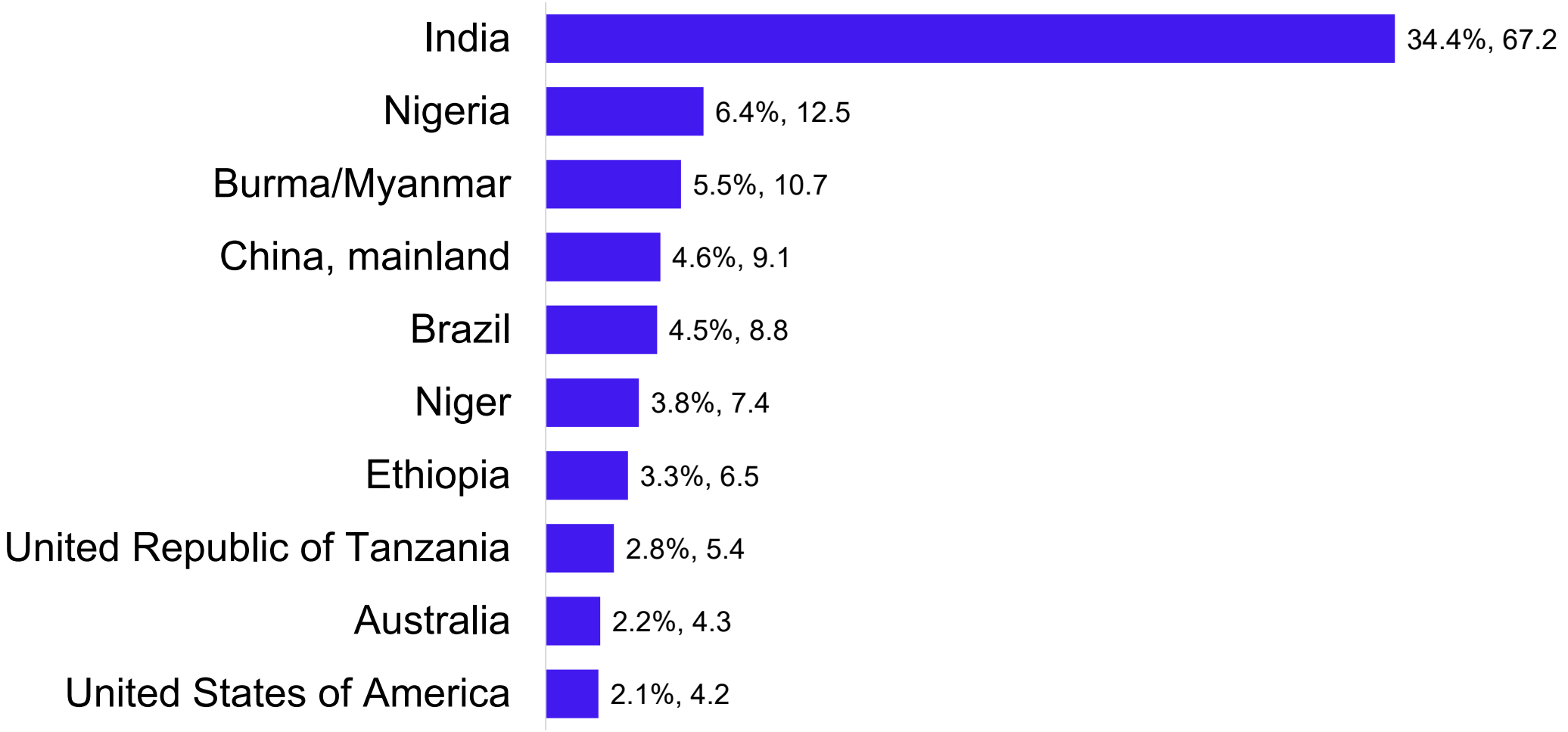
Pounds per acre



Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service



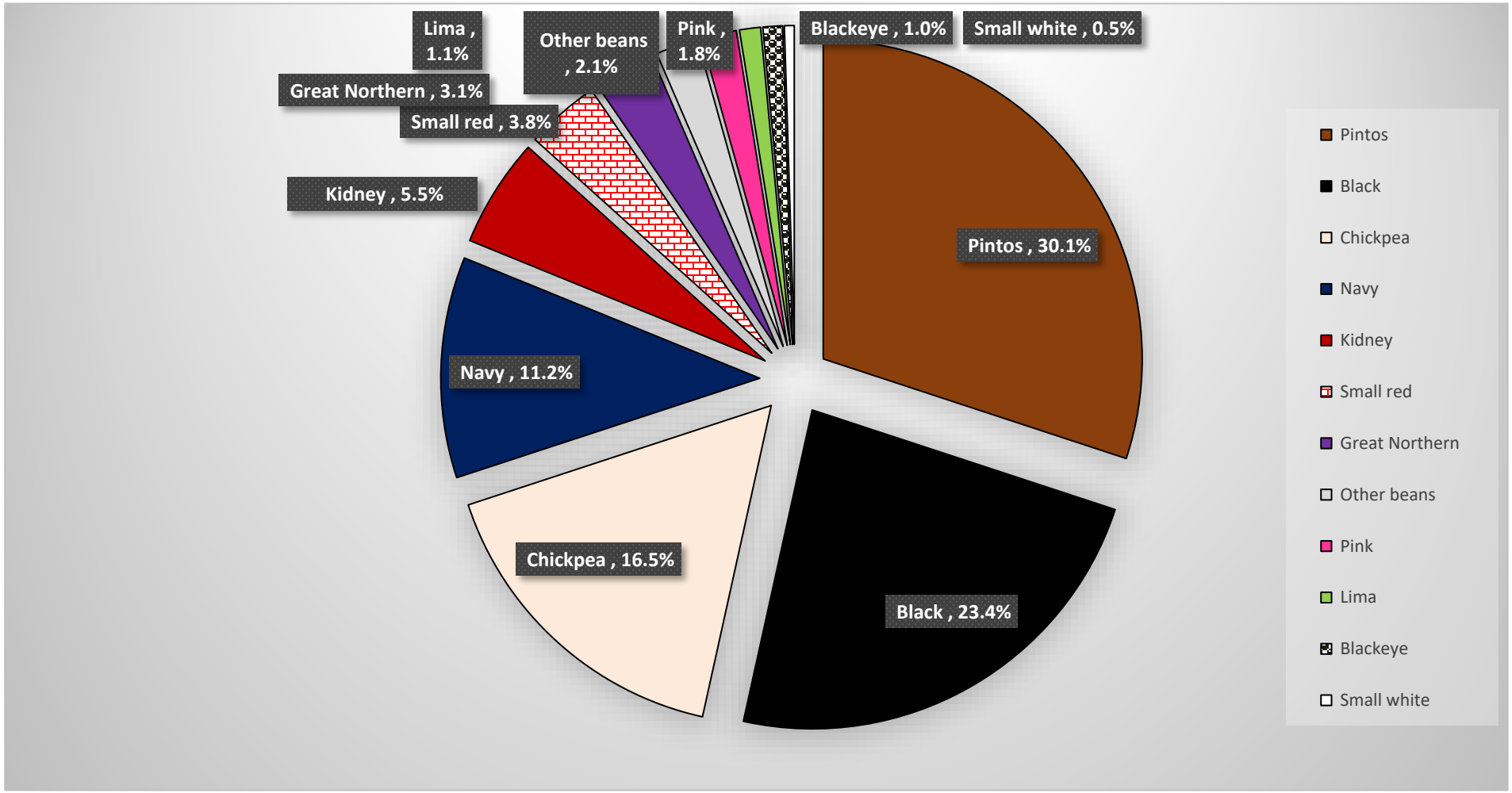
World dry beans[1]: Top 10 producers by country, 2020–22



Source: USDA, Economic Research Service using data from FAOStat, Food and Agriculture Organization of the United Nations.

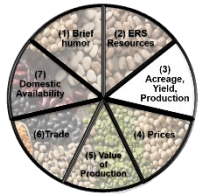
1/Includes dry beans, Bambara beans, broad beans and horse beans, chickpeas, cowpeas/blackeye peas, and pigeon peas.

U.S. dry beans[1]: Production by class, 2023

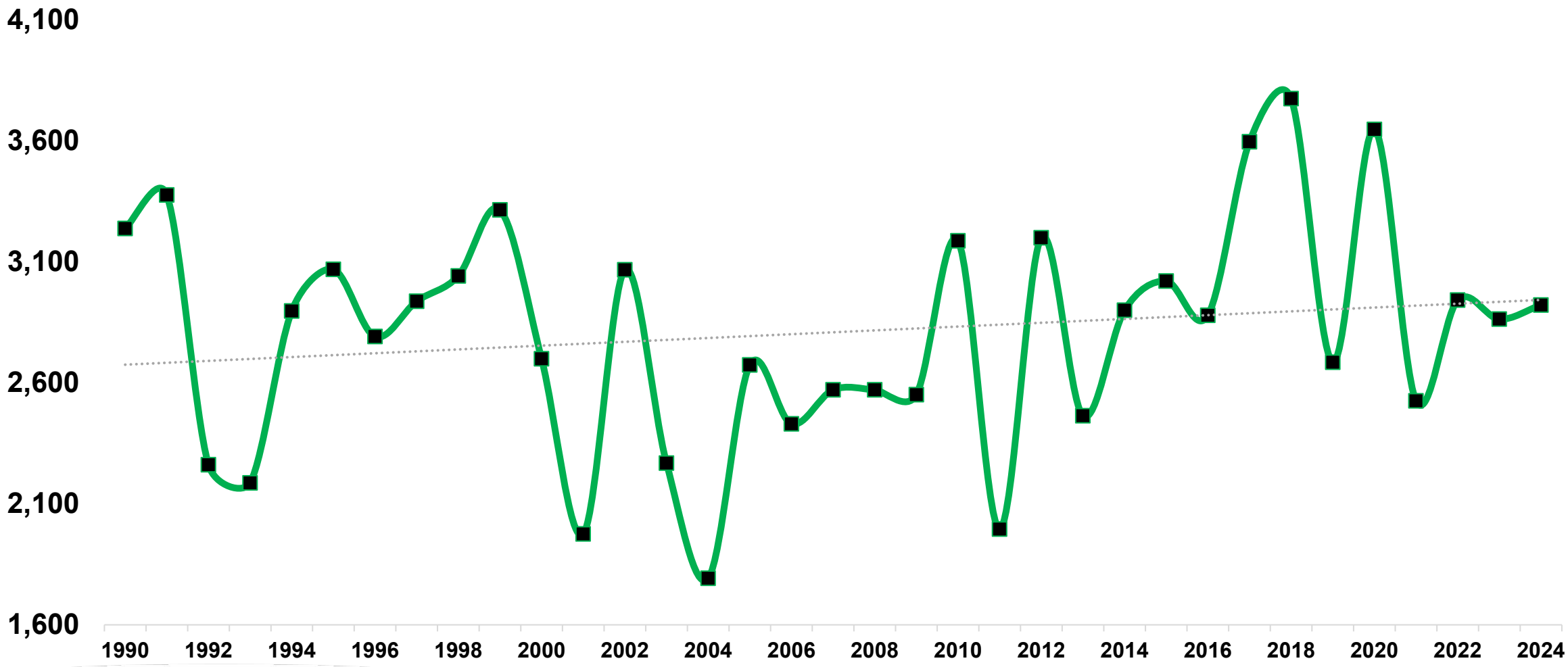


Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

U.S. dry beans[1]: Production trends higher in the long-term

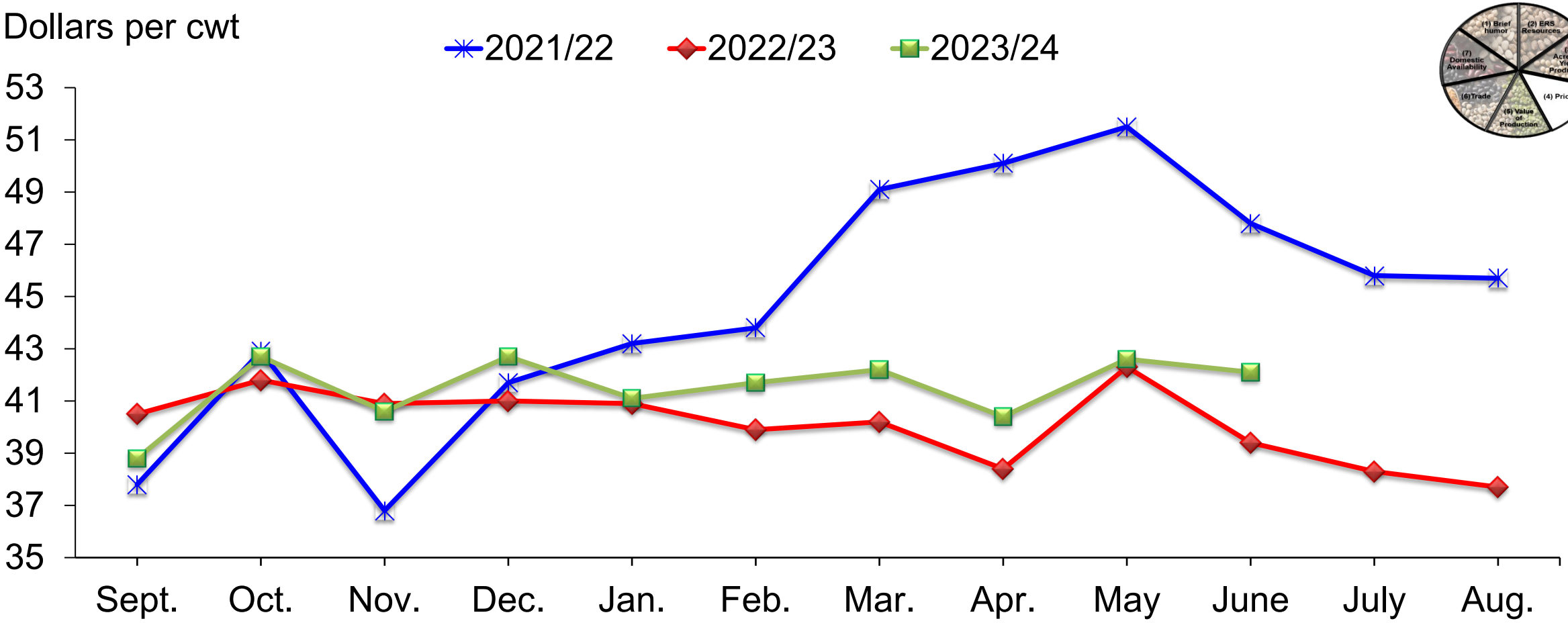


Million pounds



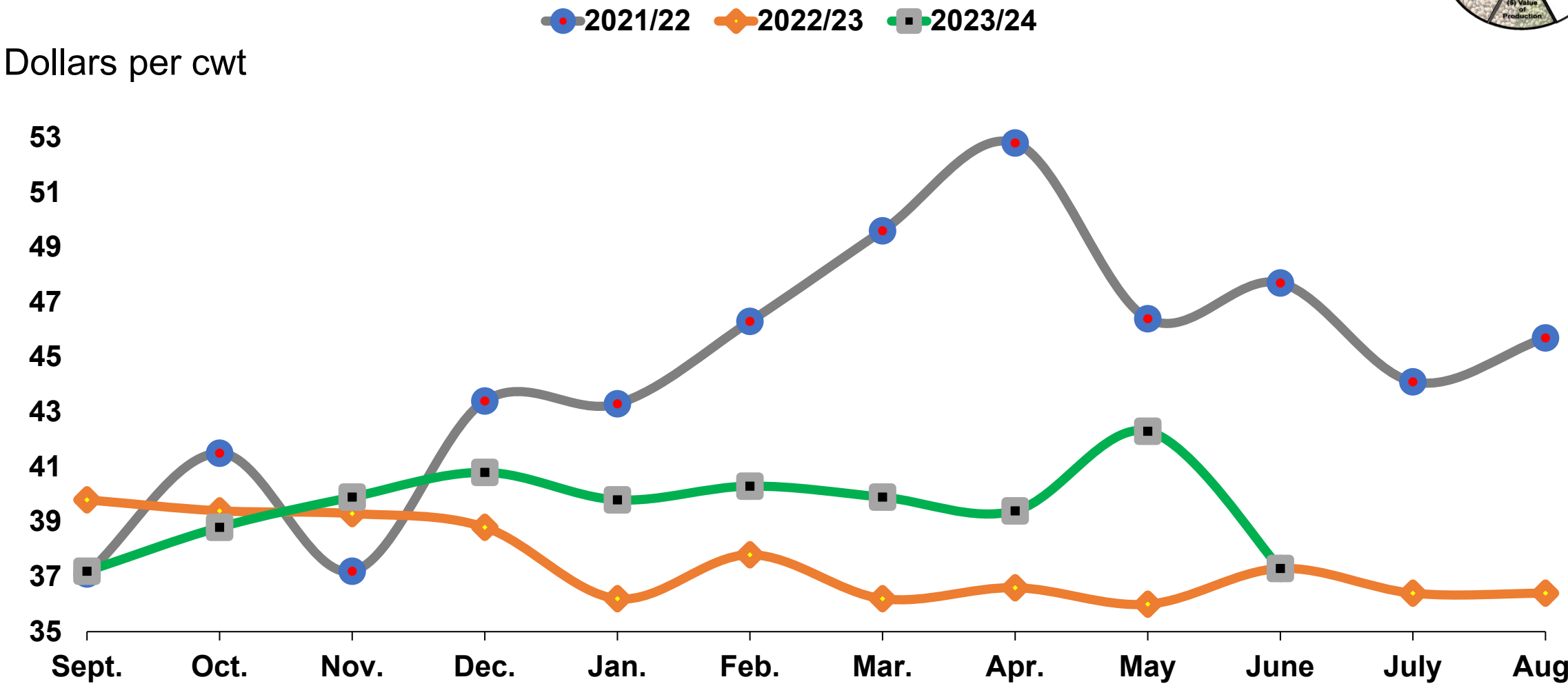
Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

U.S. dry beans, excluding chickpeas: Monthly grower prices in 2023/24 above previous year but below the high levels experienced in 2021/22



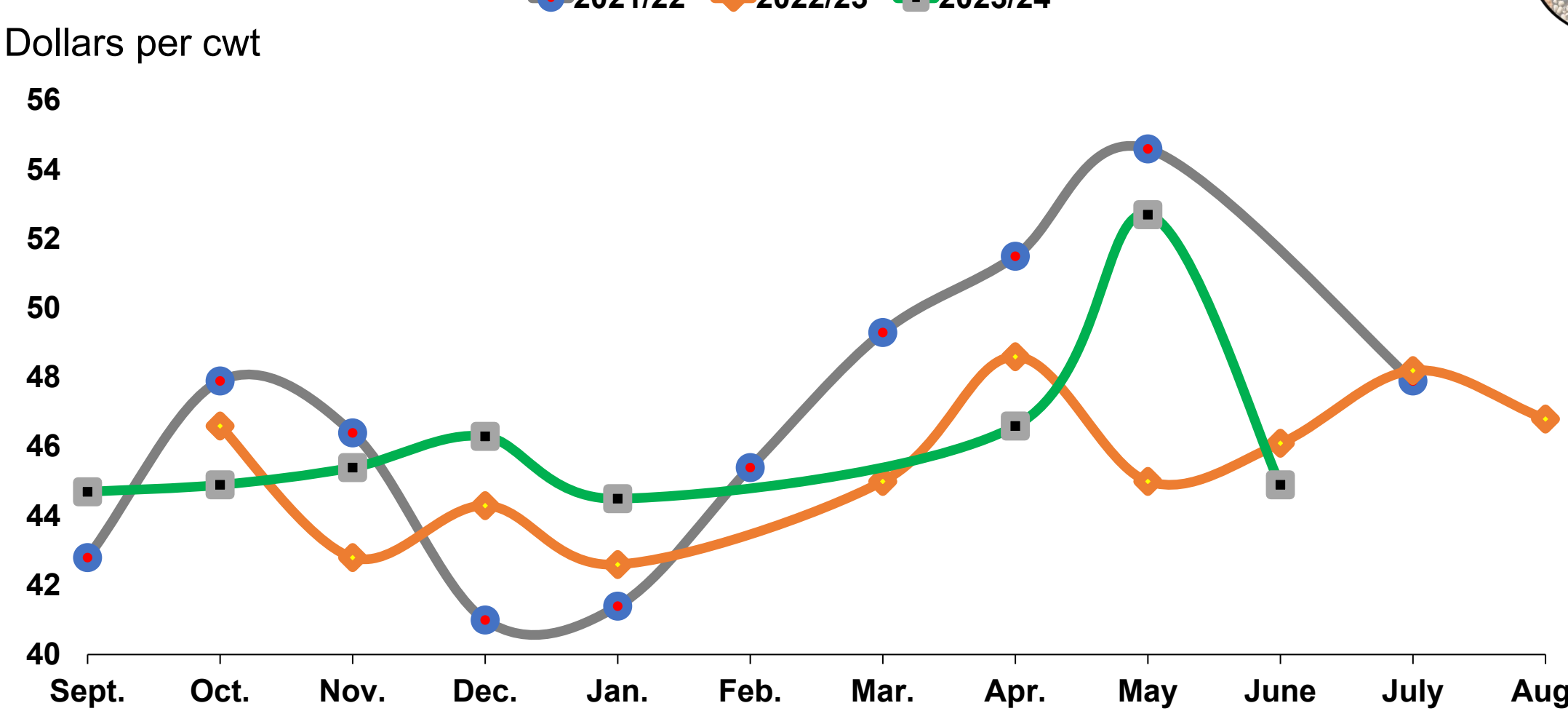
Source: USDA, Economic Research Service calculations using National Agricultural Statistics Service, *Agricultural Prices.*
Note: cwt = hundredweight, a unit of measure equal to 100 pounds.

North Dakota dry beans: Monthly grower prices received



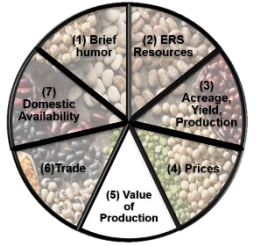
Source: USDA, Economic Research Service calculations using National Agricultural Statistics Service, *Agricultural Prices.*
Note: cwt = hundredweight, a unit of measure equal to 100 pounds.

Michigan dry beans: Monthly grower prices received



Source: USDA, Economic Research Service calculations using National Agricultural Statistics Service, *Agricultural Prices.*
Note: cwt = hundredweight, a unit of measure equal to 100 pounds.

U.S. dry beans[1]: Value of production



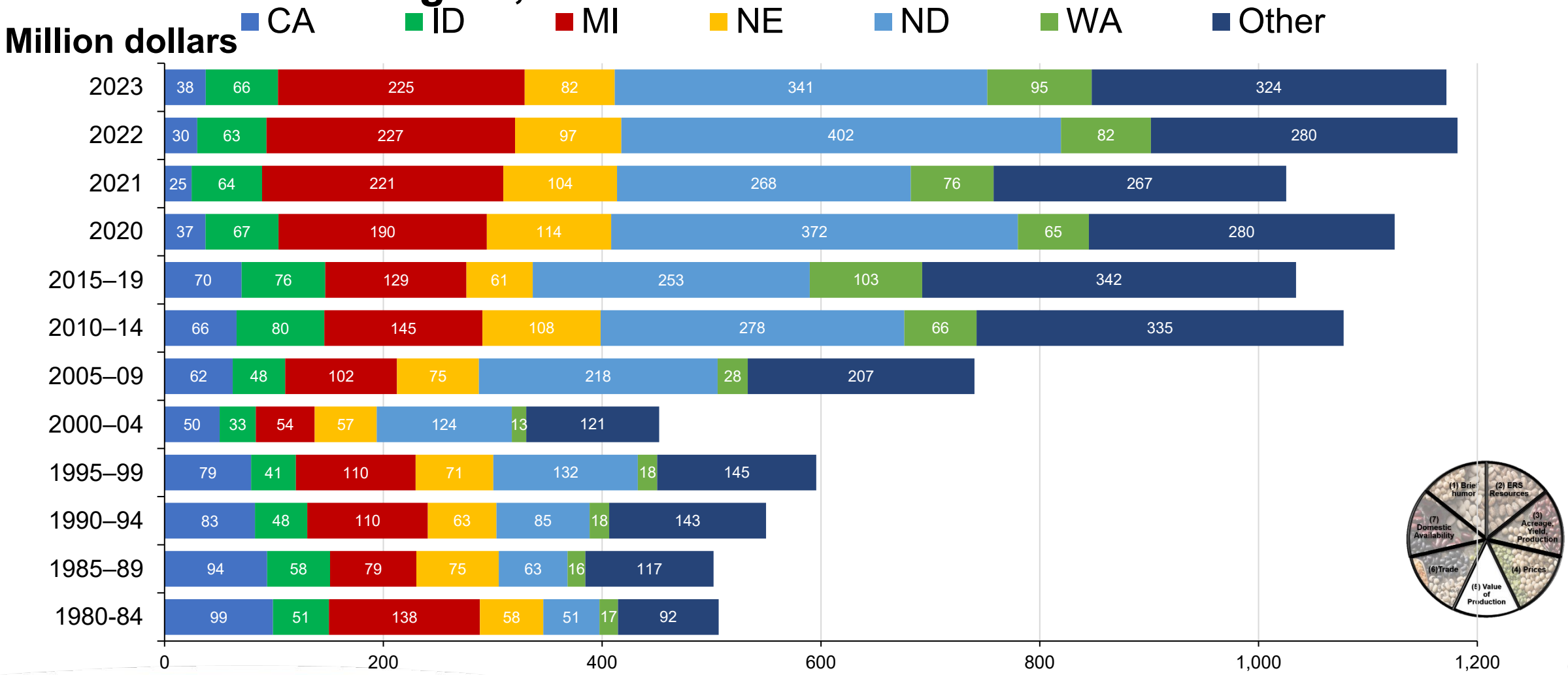
Million dollars

1,400
1,200
1,000
800
600
400
200

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

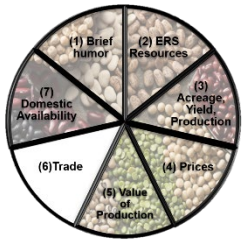
Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service
1/Includes chickpeas in all years

U.S. dry beans[1]: State value of production rises in North Dakota, Michigan, Washington, and Idaho while California Shrinks



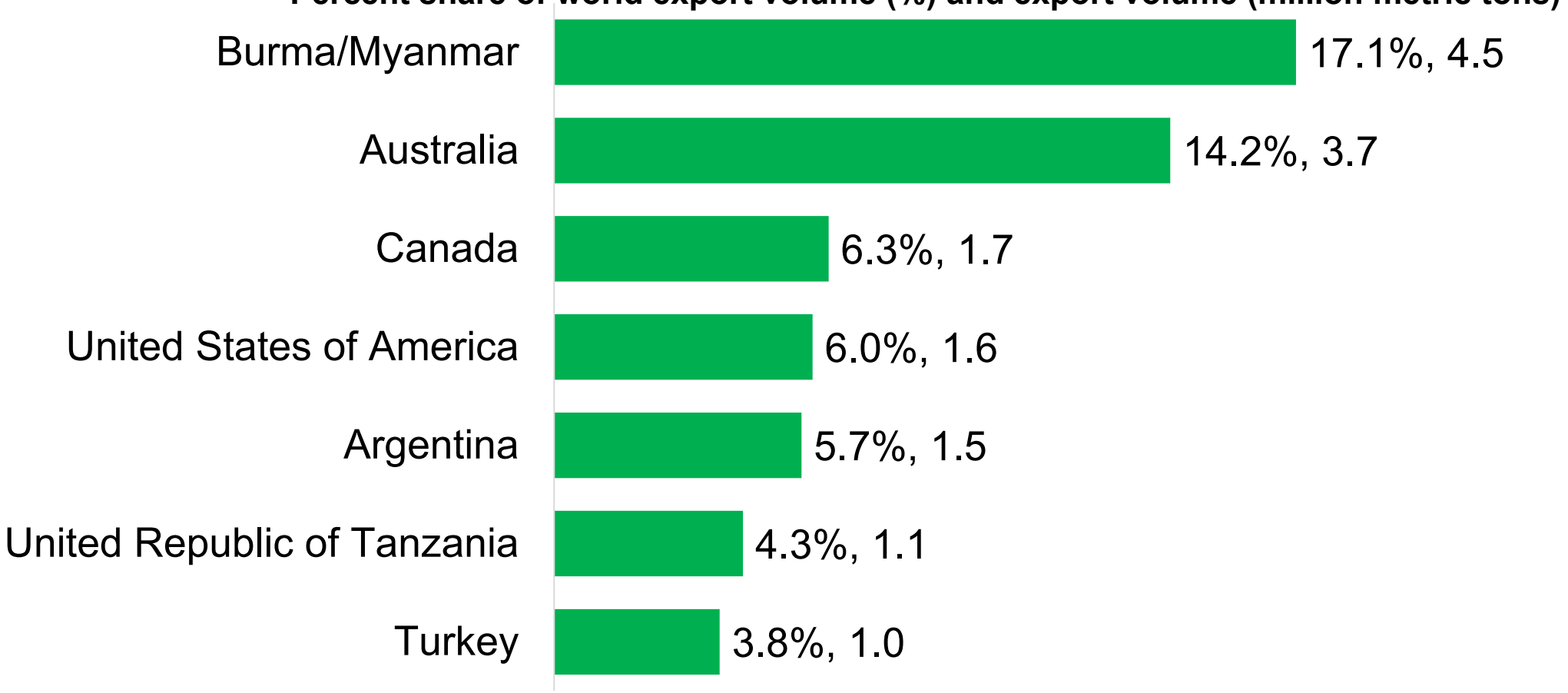
Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service

1/Includes chickpeas in all years



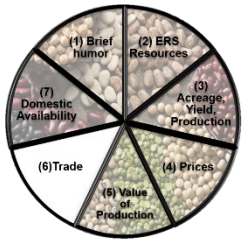
Top world dry bean[1] exporters, 2020–2022

Percent share of world export volume (%) and export volume (million metric tons)



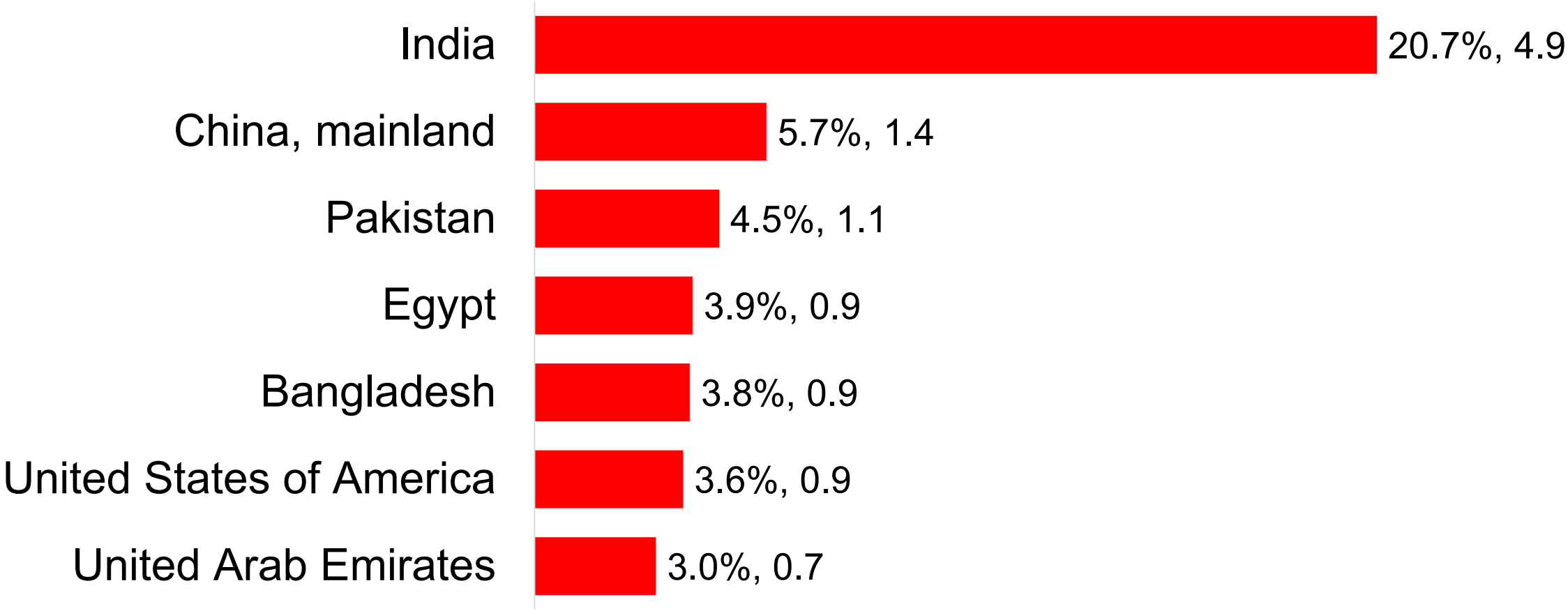
Source: USDA, Economic Research Service using data from FAOStat, Food and Agriculture Organization of the United Nations.

1/Includes dry beans, Bambara beans, broad beans and horse beans, chickpeas, cowpeas/blackeye peas, and pigeon peas.



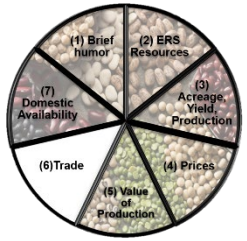
Top world dry bean[1] importers, 2020–2022

Percent share of world import volume (%) and import volume (million metric tons)

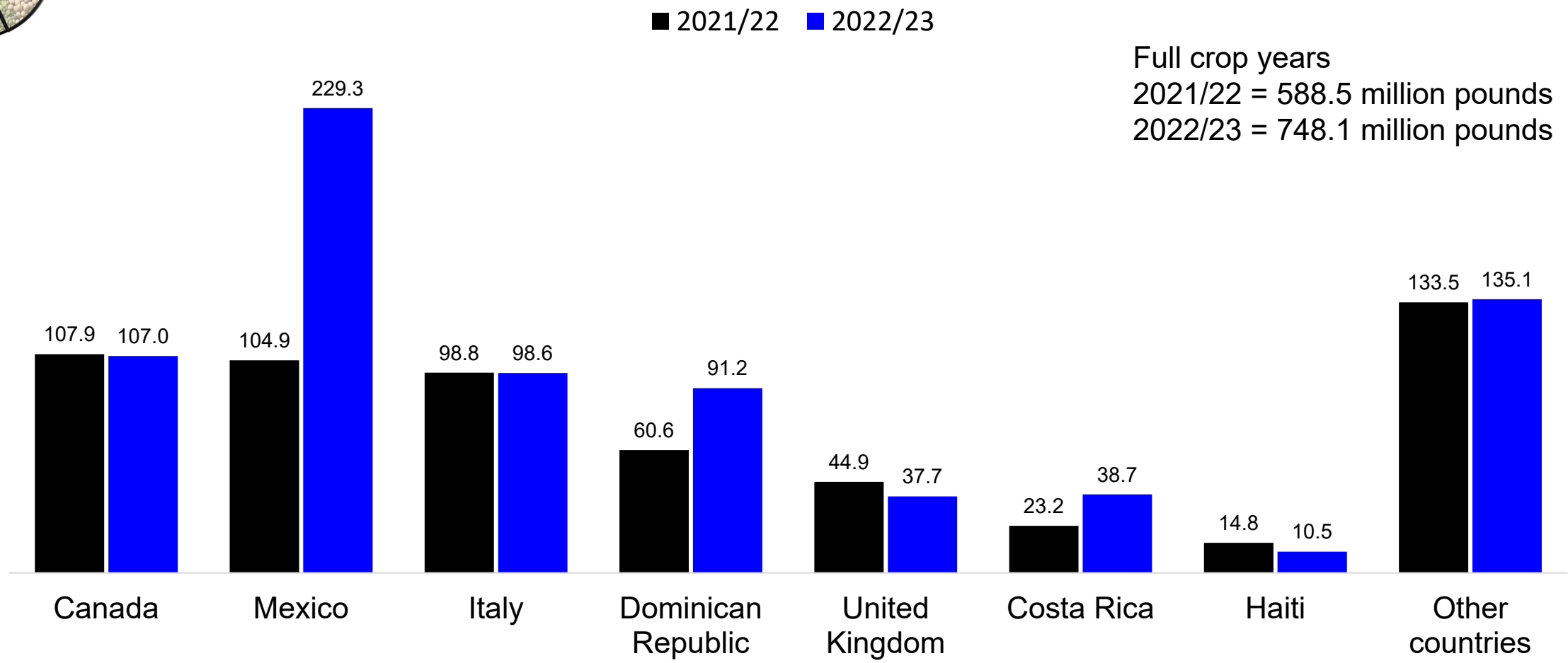


Source: USDA, Economic Research Service using data from FAOStat, Food and Agriculture Organization of the United Nations.

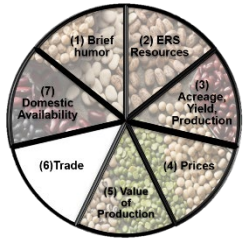
1/Includes dry beans, Bambara beans, broad beans and horse beans, chickpeas, cowpeas/blackeye peas, and pigeon peas.



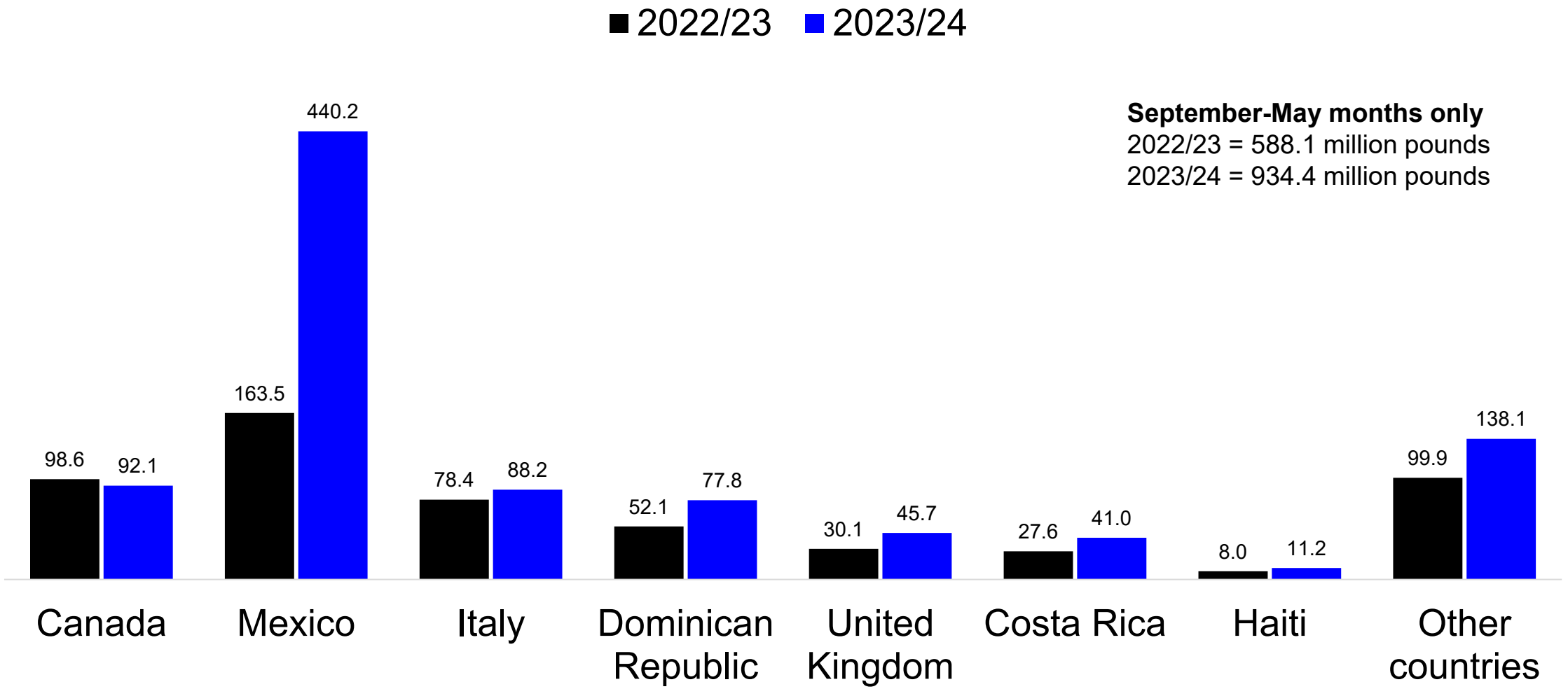
U.S. dry bean crop year export volume: Top markets



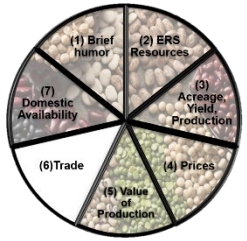
Source: USDA, Economic Research Service using data from U.S. Department of Commerce, Bureau of the Census.
Note: Excludes chickpeas



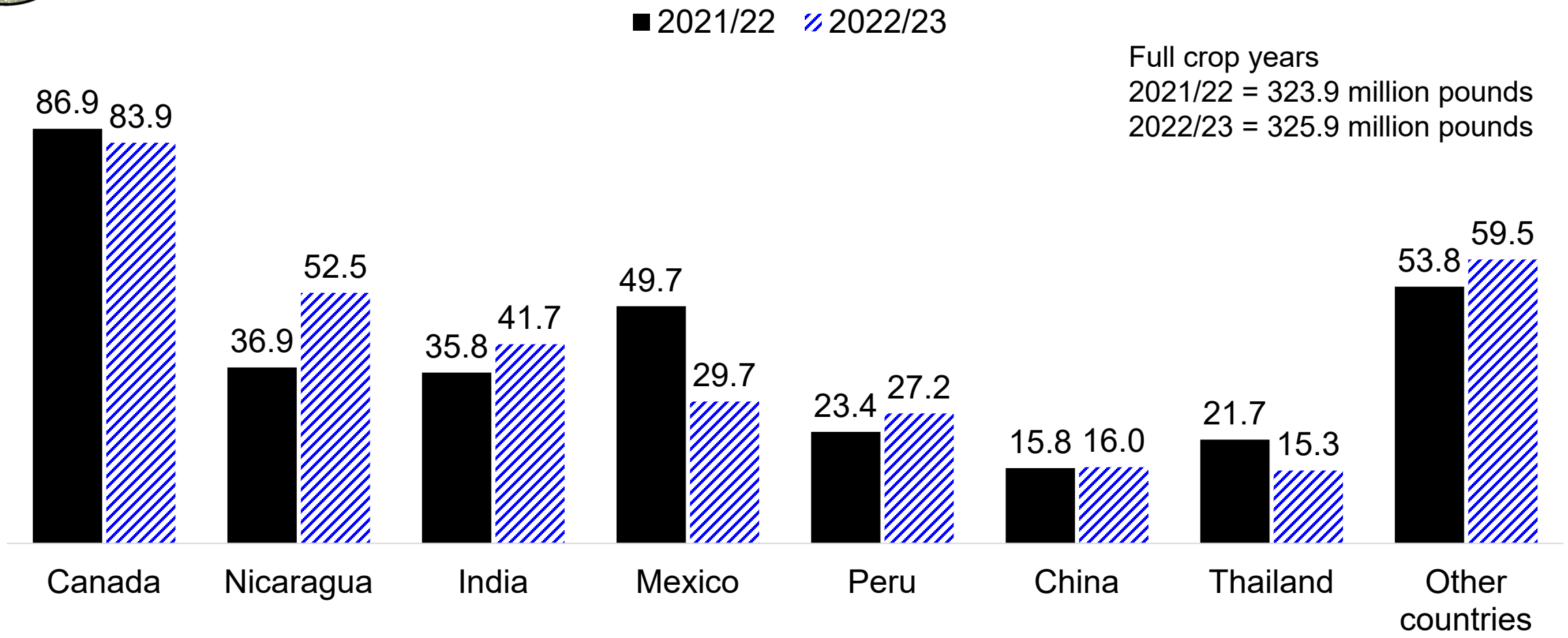
U.S. dry bean crop year export volume: Top markets



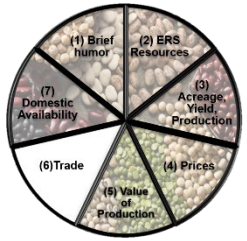
Source: USDA, Economic Research Service using data from U.S. Department of Commerce, Bureau of the Census.
Note: Excludes chickpeas



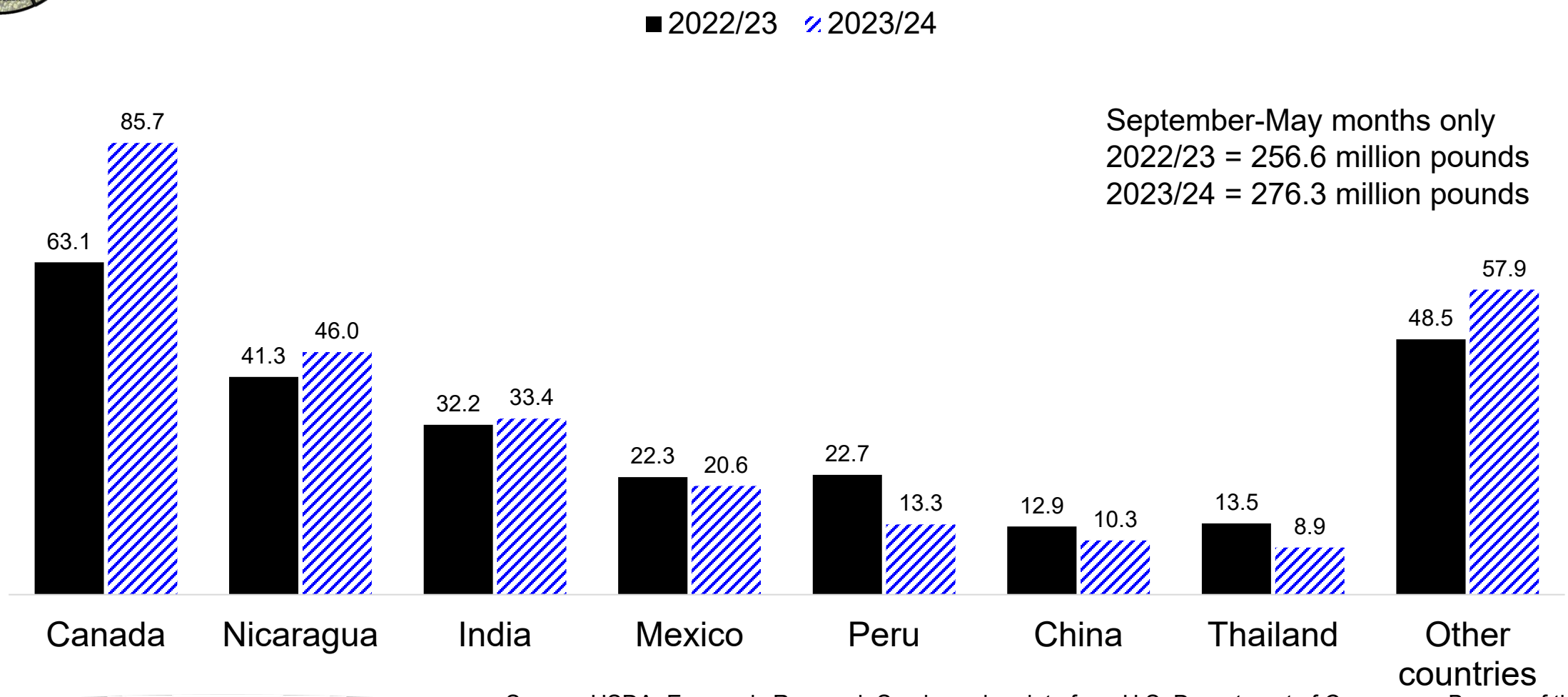
U.S. dry bean crop year import volume: Top markets



Source: USDA, Economic Research Service using data from U.S. Department of Commerce, Bureau of the Census.
Note: Excludes chickpeas

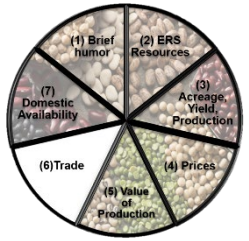


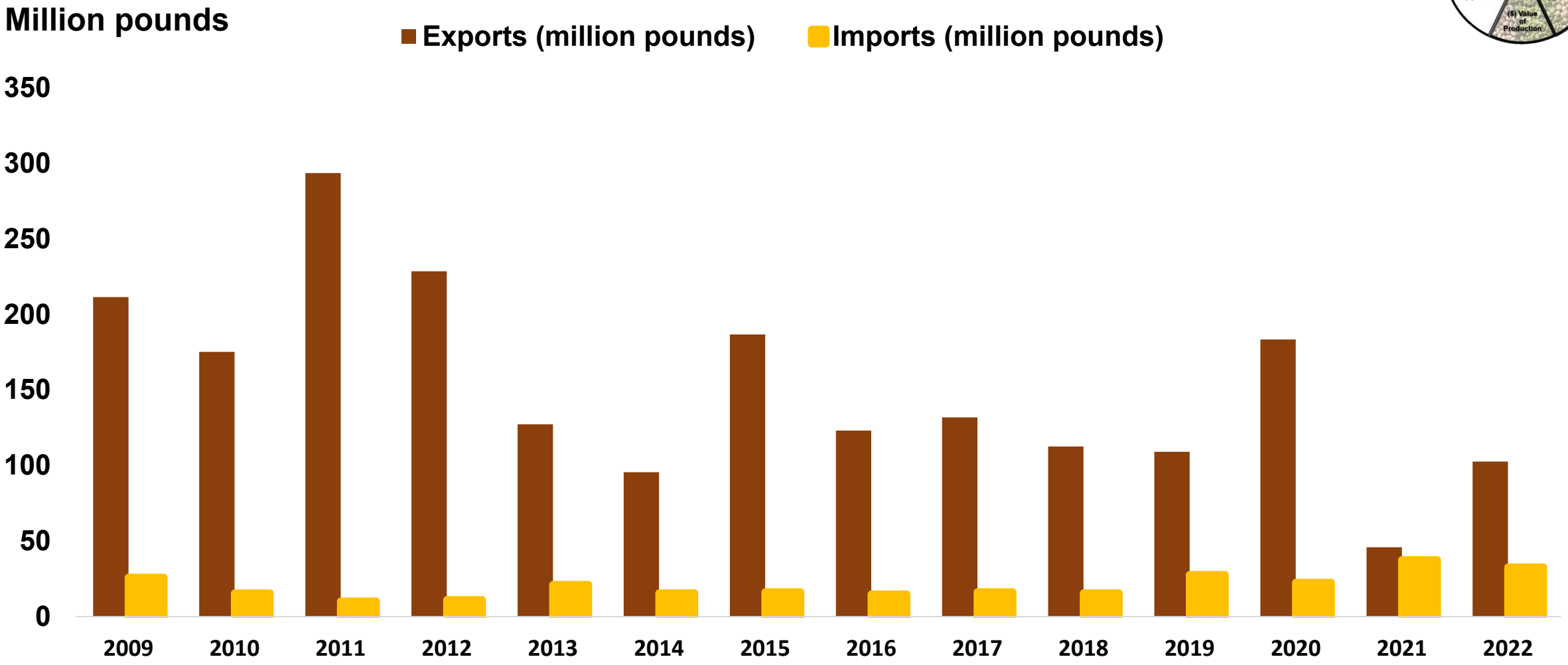
U.S. dry bean crop year import volume: Top markets



Source: USDA, Economic Research Service using data from U.S. Department of Commerce, Bureau of the Census.
Note: Excludes chickpeas

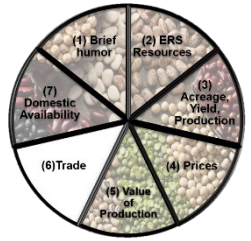
U.S. pinto beans: Crop year trade volume

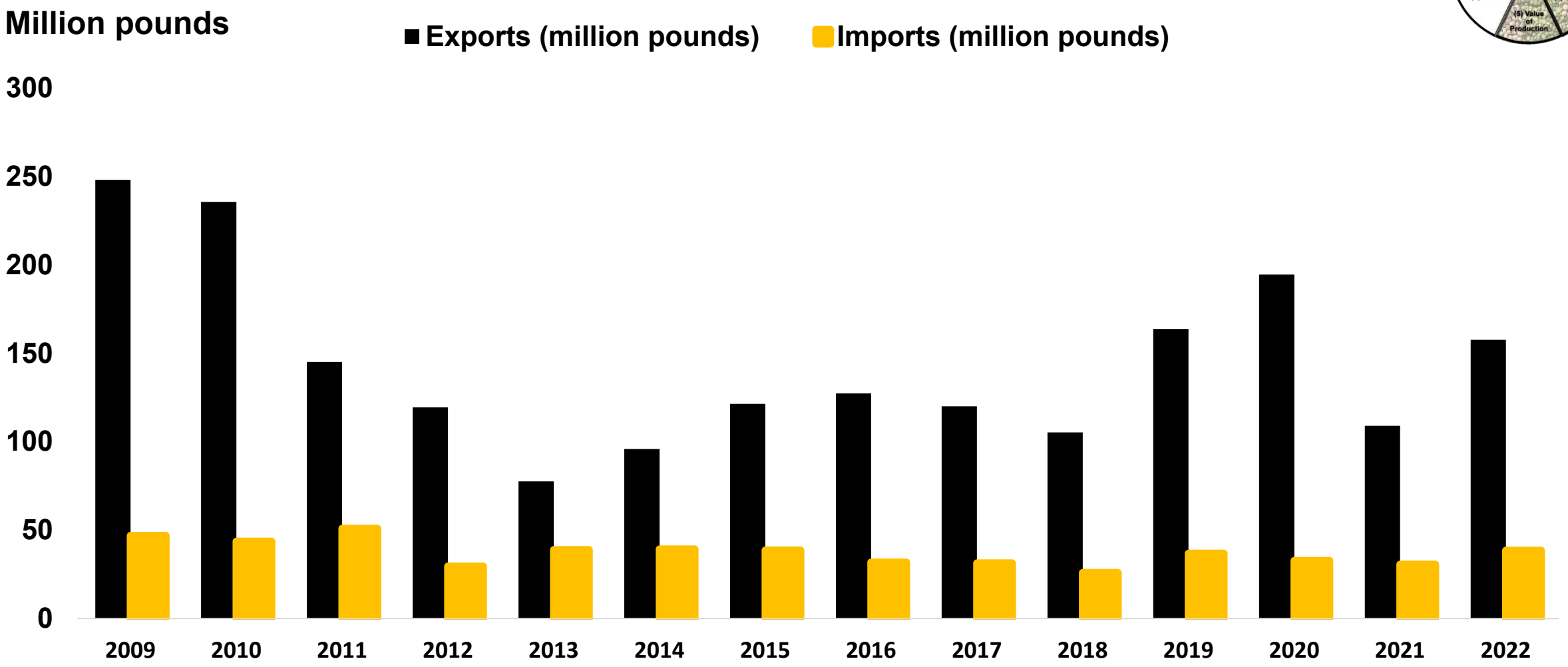




Source: U.S. Department of Commerce, Bureau of the Census.

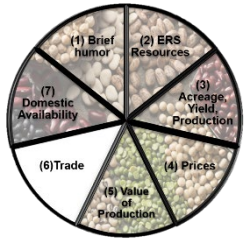
U.S. black beans: Crop year trade volume

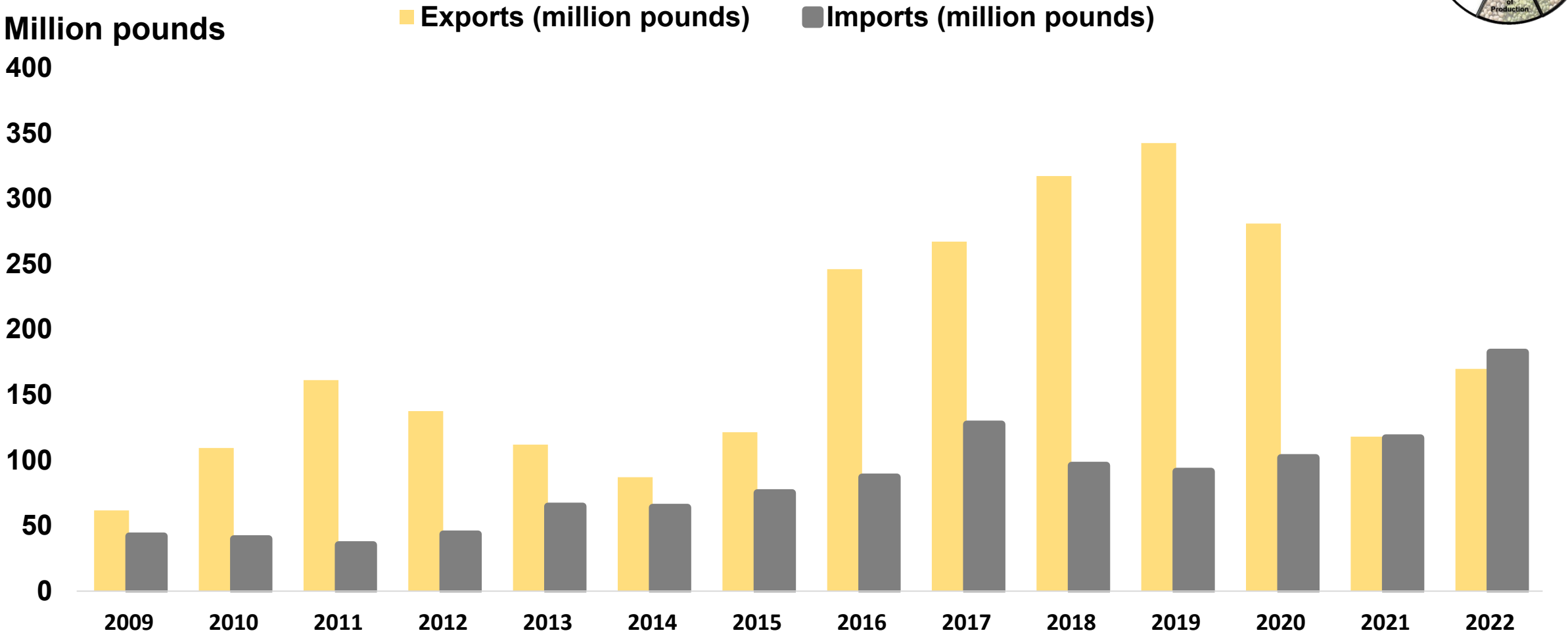




Source: U.S. Department of Commerce, Bureau of the Census.

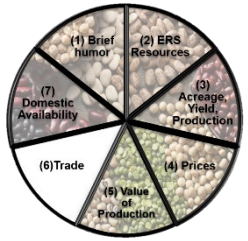
U.S. chickpeas: Crop year trade volume

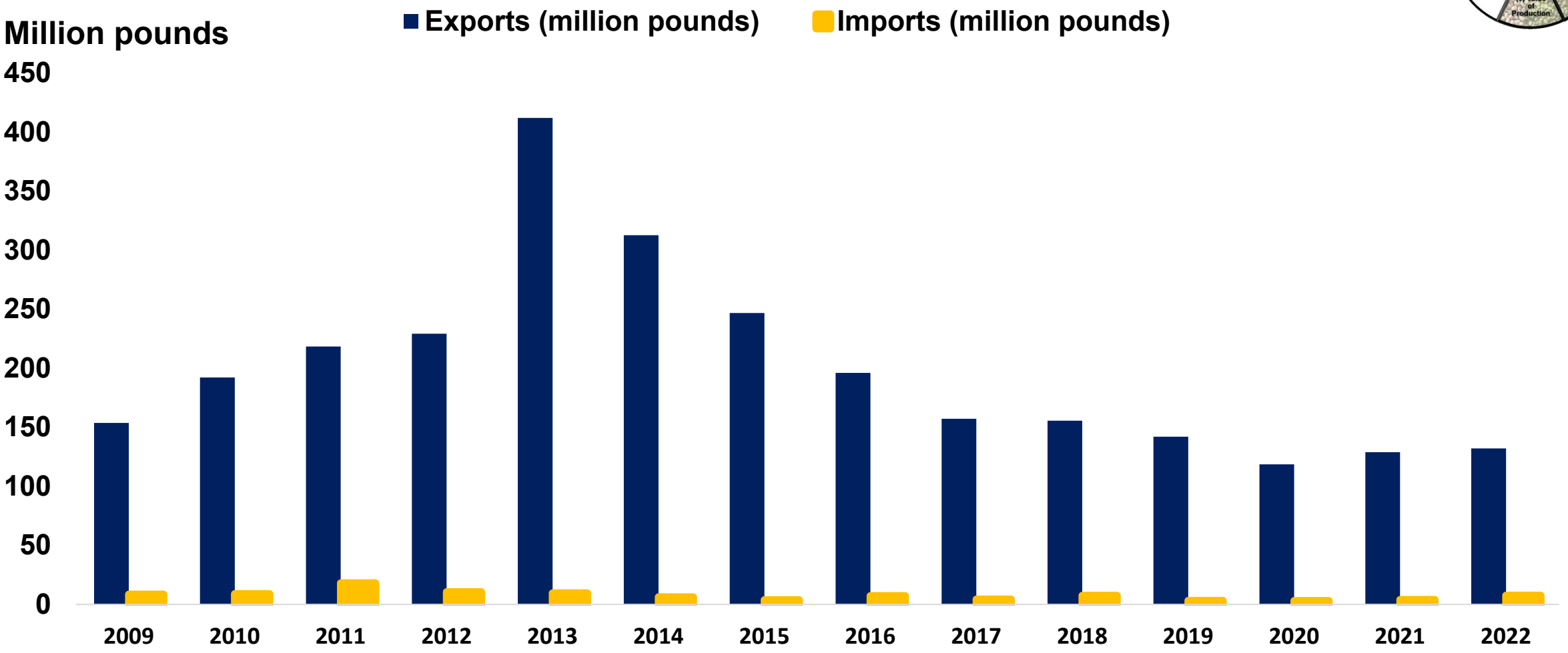




Source: U.S. Department of Commerce, Bureau of the Census.

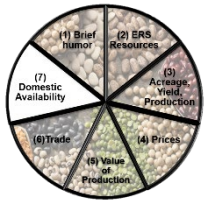
U.S. navy beans: Crop year trade volume

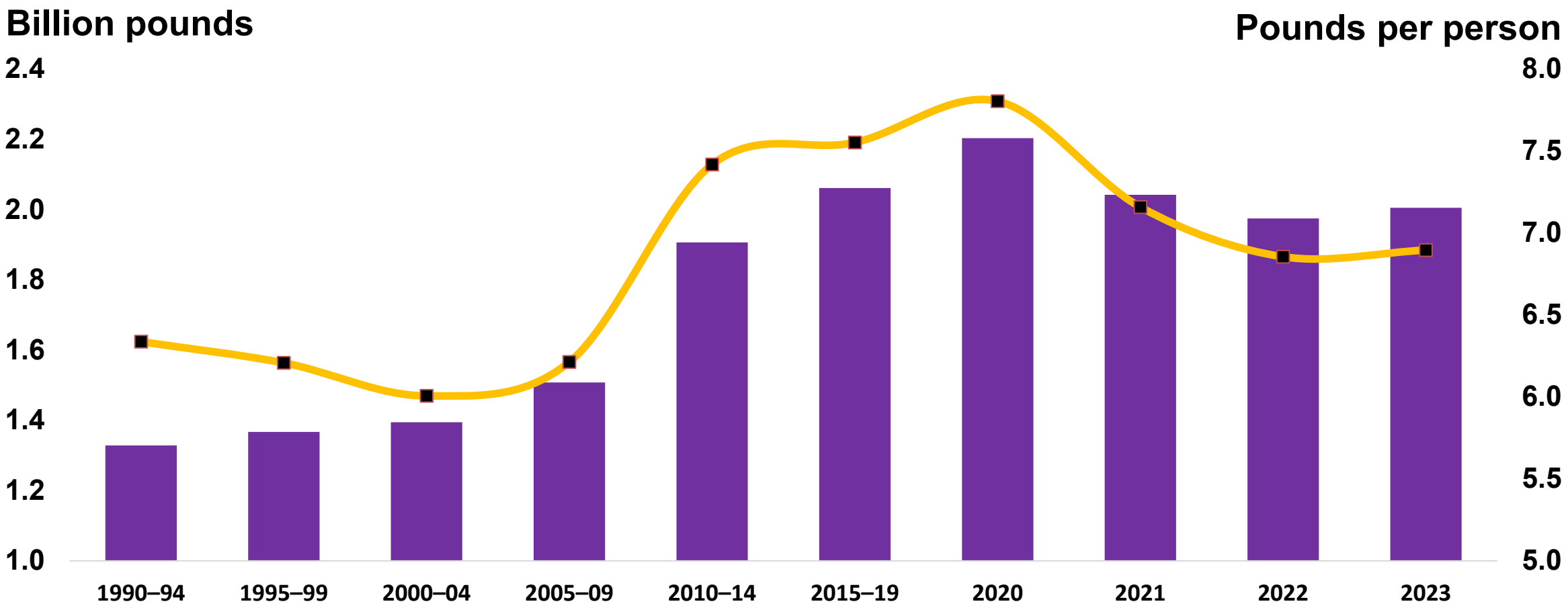




Source: U.S. Department of Commerce, Bureau of the Census.

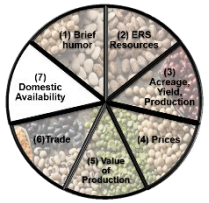
U.S. dry beans: Domestic and per capita availability

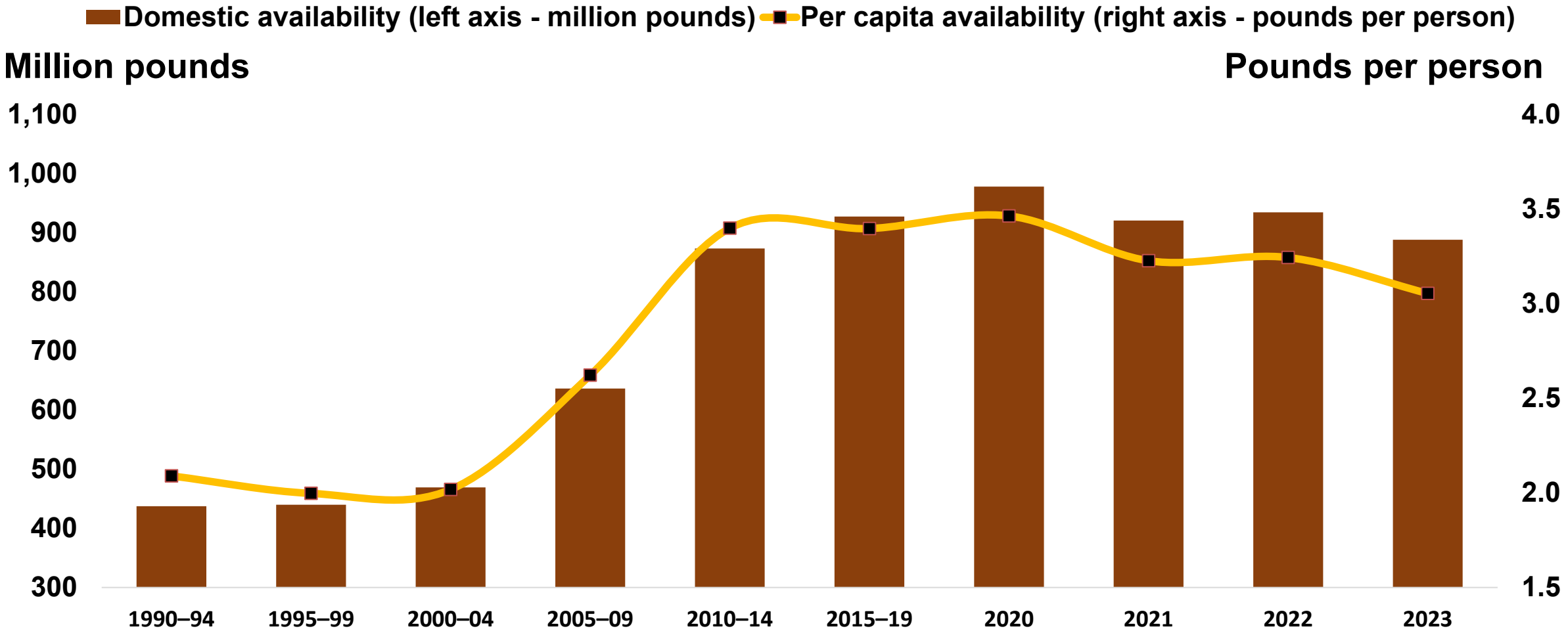




Source: USDA, Economic Research Service

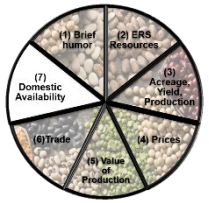
U.S. pinto beans: Domestic and per capita availability

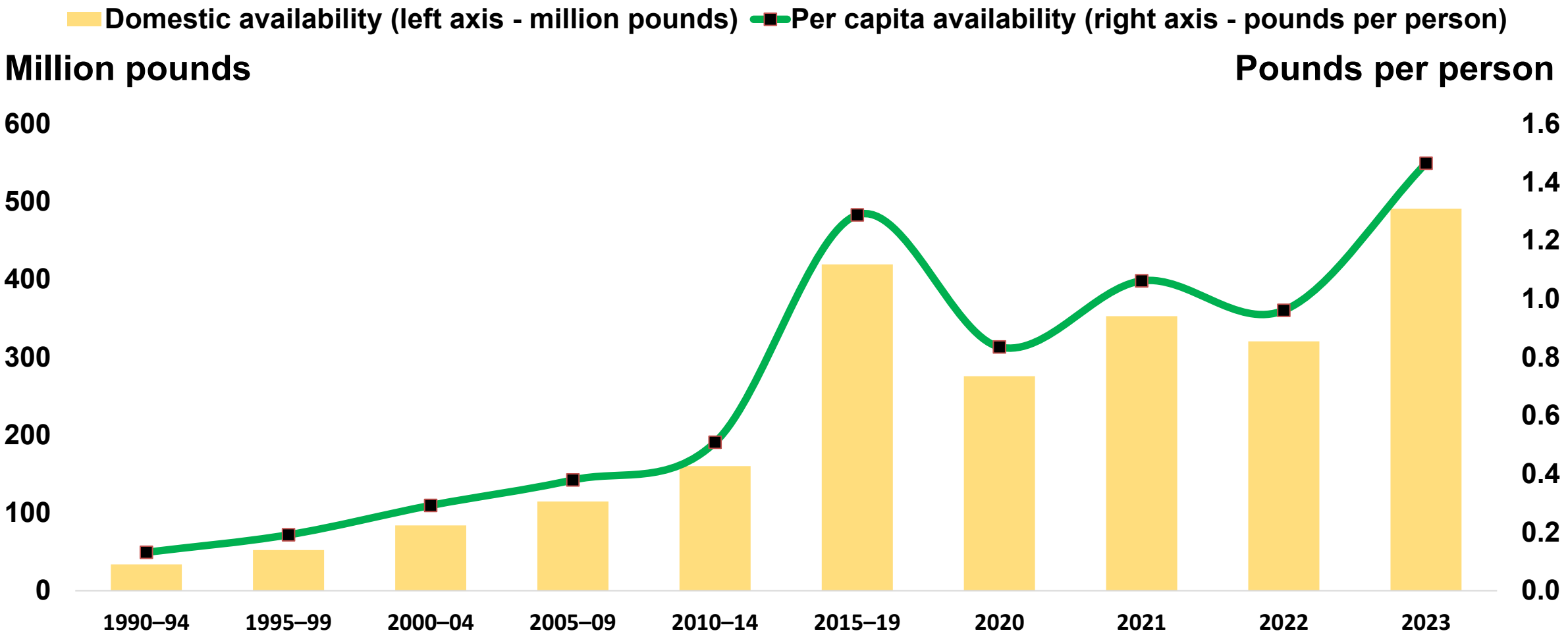




Source: USDA, Economic Research Service.

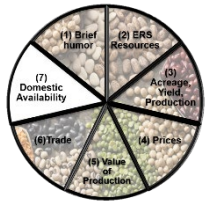
U.S. chickpeas: Domestic and per capita availability

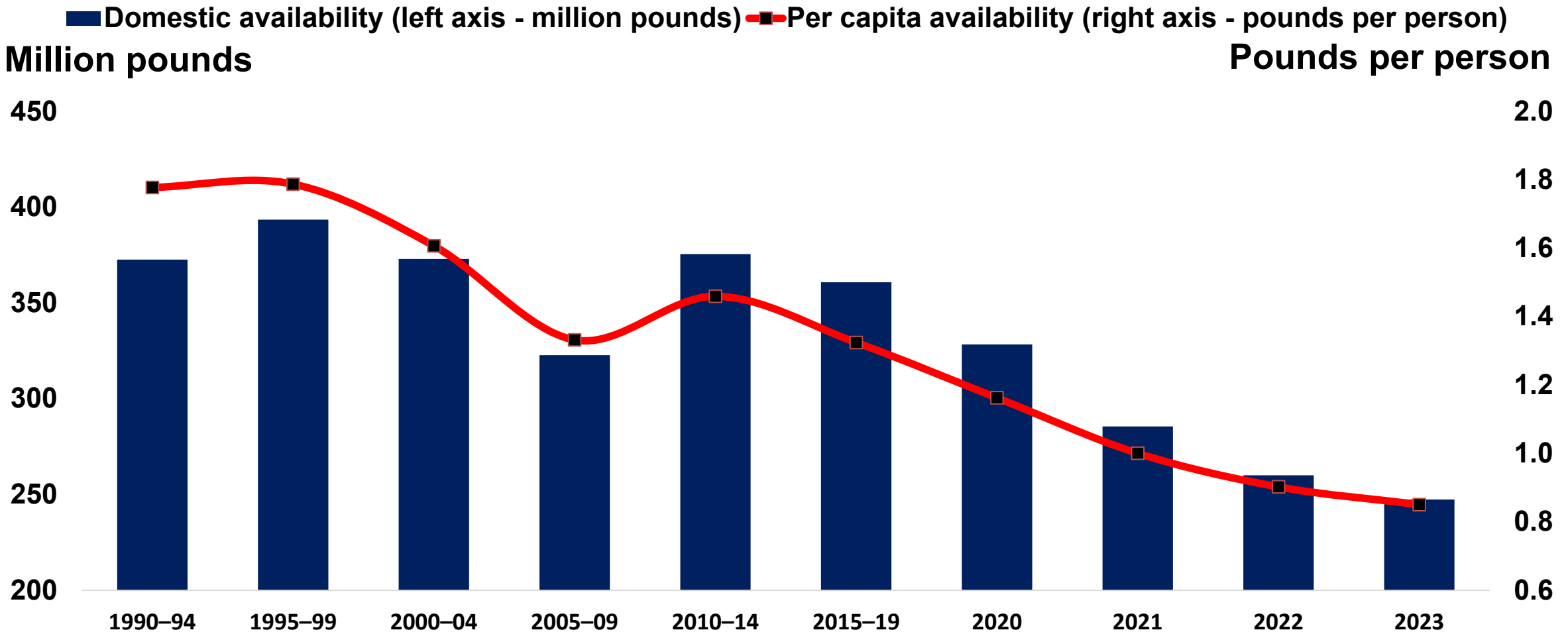




Source: USDA, Economic Research Service.

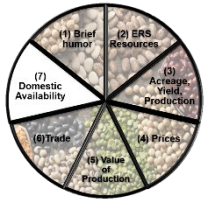
U.S. navy beans: Domestic and per capita availability

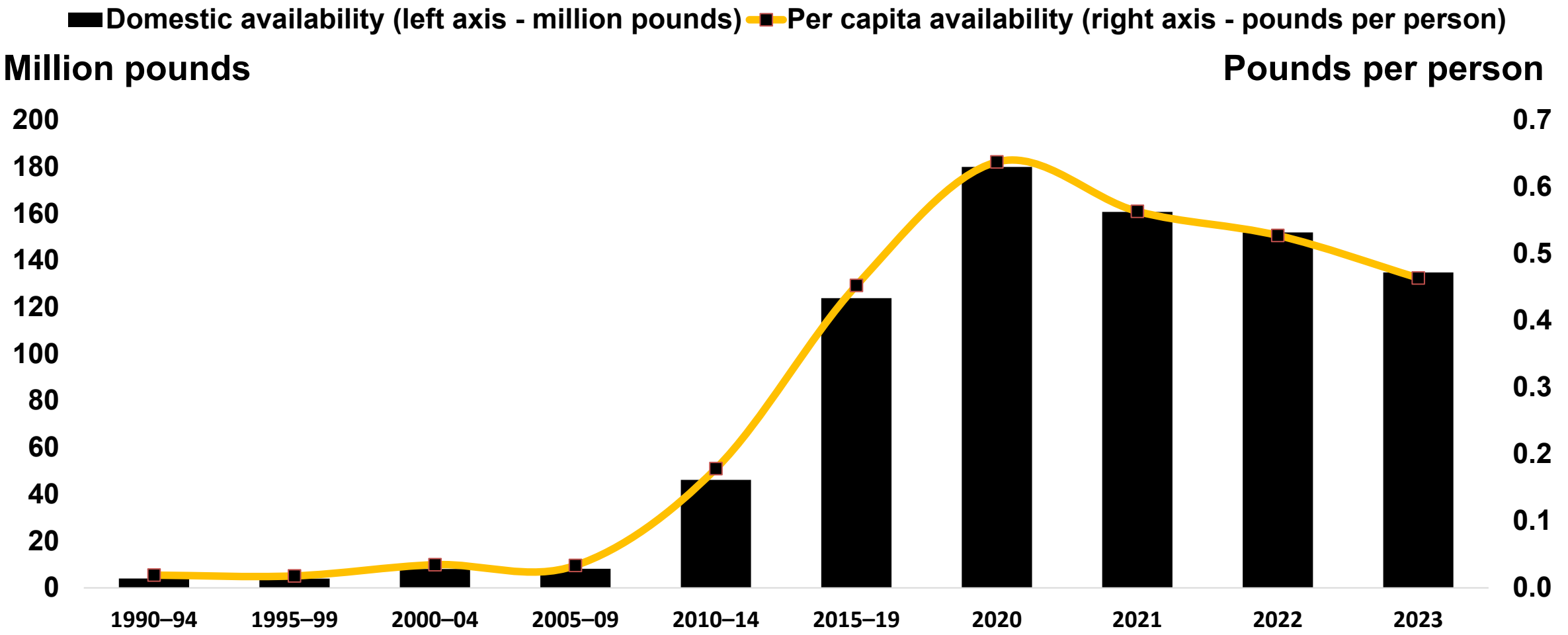




Source: USDA, Economic Research Service.

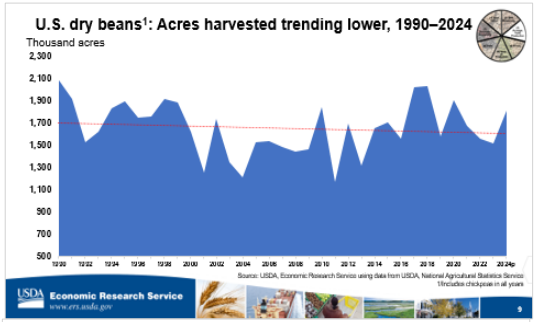
U.S. black beans: Domestic and per capita availability

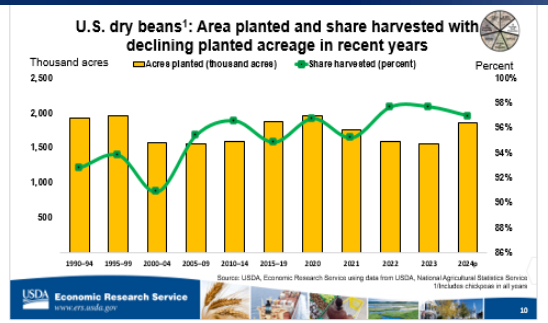


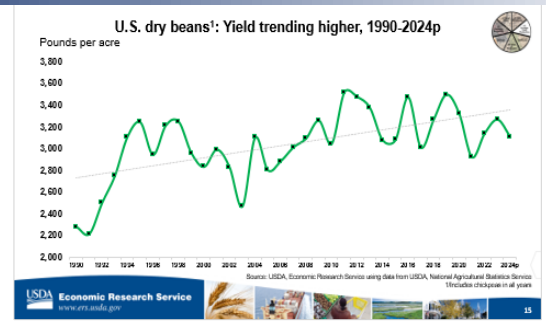


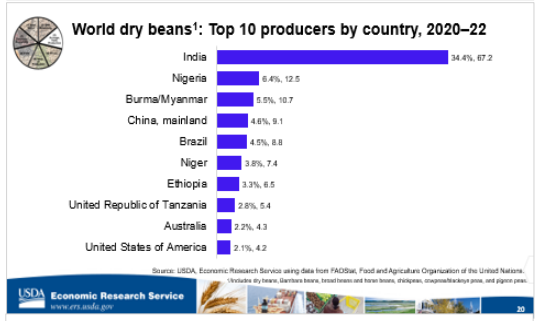
Source: USDA, Economic Research Service.

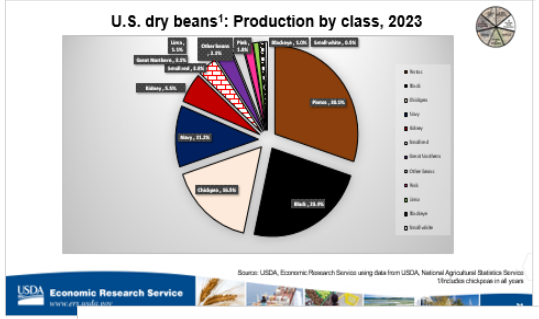
Recap, Resources, and Reach Out

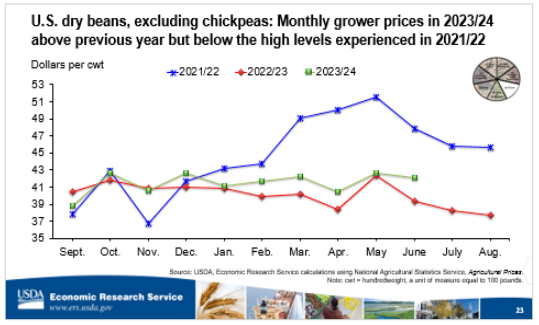


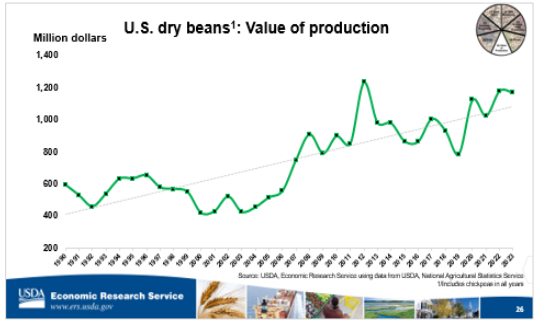


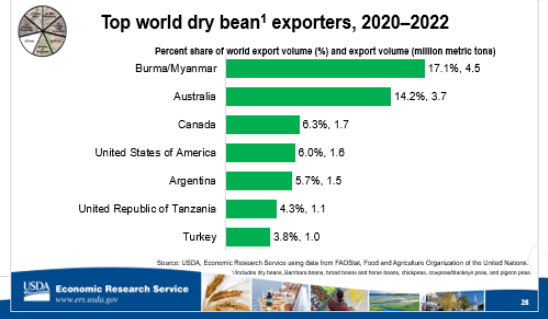


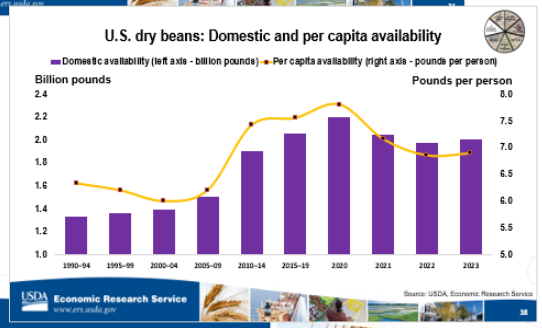


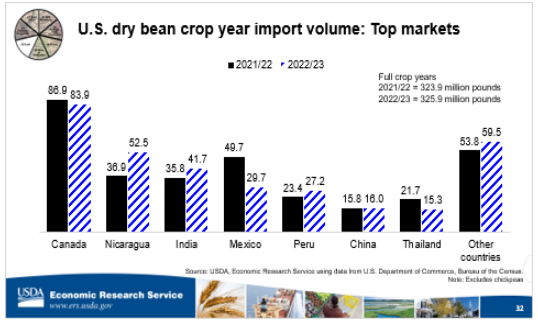












Economic Research Service

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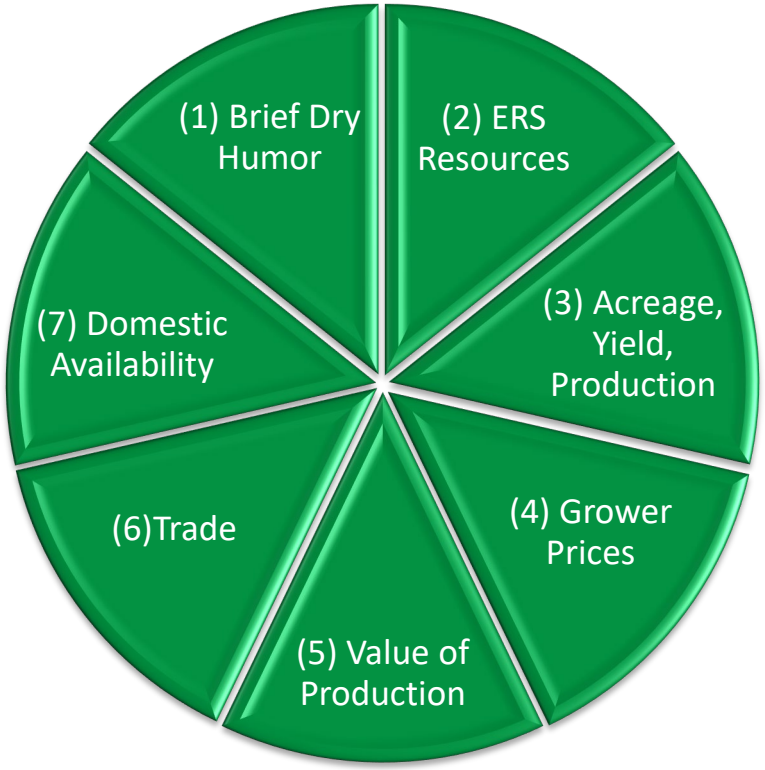
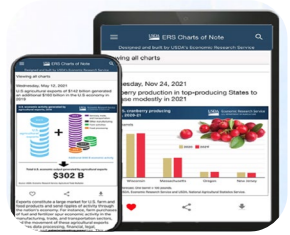
Recap, Resources, and Reach Out

Wilma V. Davis – Vegetables and Pulses Outlook Coordinator – Wilma.Davis@usda.gov



Vegetables and Pulses Resources

www.ers.usda.gov/data-products/vegetables-and-pulses-data/



www.ers.usda.gov/data-products/charts-of-note

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