

Table 9-3**Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022**

(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Doctorate recipients reporting postgraduation status (number)	1,193	787	406
Definite postdoctoral training plans	33.6	31.6	37.4
Definite employment plans	37.6	39.8	33.3
Seeking employment or study	26.9	26.8	27.1
Other status ^a	1.9	1.8	2.2
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.3	98.4	98.0
Other training or unknown ^c	1.7	1.6	2.0
Definite employment plans (%) ^d			
Academe	30.6	29.4	33.3
In tenure track faculty position (%)	36.5	39.1	31.1
Not in tenure track position (%)	60.6	58.7	64.4
Government	14.3	9.3	25.9
Industry or business ^e	45.5	55.3	23.0
Nonprofit organization	6.7	3.5	14.1
Other or unknown ^f	2.9	2.6	3.7
Primary activity ^g			
Research and development	56.8	60.9	47.3
Teaching	16.4	14.2	21.4
Management or administration	8.1	7.3	9.9
Professional services and other	18.7	17.5	21.4
Secondary activity ^g			
Research and development	22.4	21.2	25.2
Teaching	10.6	11.6	8.4
Management or administration	21.0	20.9	21.4
Professional services and other	11.5	10.3	14.5
No secondary activity	34.4	36.1	30.5
Activity unknown	3.3	3.5	3.0
Postgraduation location (%) ^h			
United States ⁱ	88.6	87.2	91.3
Midwest	23.8	29.2	13.2
Northeast	10.7	8.5	15.0
South	30.5	30.1	31.4
West	23.3	19.0	31.7
Outside the United States	11.3	12.6	8.7
Location unknown	0.1	0.2	0.0
Postgraduation location in same state as doctorate institution (%)	44.3	42.2	48.4
Male doctorate recipients reporting postgraduation status (number)	578	379	199
Definite postdoctoral training plans	38.4	37.2	40.7
Definite employment plans	35.1	37.5	30.7
Seeking employment or study	24.9	23.7	27.1
Other status ^a	1.6	1.6	1.5
Definite postdoctoral training plans (%) ^b			

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(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Postdoc fellowship or research associateship	98.2	98.6	97.5
Other training or unknown ^c	1.8	1.4	2.5
Definite employment plans (%) ^d			
Academe	31.5	28.2	39.3
In tenure track faculty position (%)	51.6	D	D
Not in tenure track position (%)	45.3	D	D
Government	9.4	D	D
Industry or business ^e	51.2	61.3	27.9
Nonprofit organization	5.4	D	D
Other or unknown ^f	2.5	2.1	3.3
Primary activity ^g			
Research and development	56.7	60.7	47.5
Teaching	18.0	D	D
Management or administration	7.2	D	D
Professional services and other	18.0	16.3	22.0
Secondary activity ^g			
Research and development	25.3	23.7	28.8
Teaching	10.3	D	D
Management or administration	22.7	23.7	20.3
Professional services and other	9.3	8.9	10.2
No secondary activity	32.5	D	D
Activity unknown	4.4	4.9	3.3
Postgraduation location (%) ^h			
United States ⁱ	88.5	86.6	92.3
Midwest	25.4	31.4	13.4
Northeast	11.5	8.1	18.3
South	30.1	29.0	32.4
West	20.9	17.3	28.2
Outside the United States	11.3	13.1	7.7
Location unknown	0.2	0.4	0.0
Postgraduation location in same state as doctorate institution (%)	45.2	43.5	48.6
Female doctorate recipients reporting postgraduation status (number)	615	408	207
Definite postdoctoral training plans	29.1	26.5	34.3
Definite employment plans	39.8	41.9	35.7
Seeking employment or study	28.8	29.7	27.1
Other status ^a	2.3	2.0	2.9
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.3	98.1	98.6
Other training or unknown ^c	1.7	1.9	1.4
Definite employment plans (%) ^d			
Academe	29.8	30.4	28.4
In tenure track faculty position (%)	23.3	D	D
Not in tenure track position (%)	74.0	D	D
Government	18.4	D	D

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(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Industry or business ^e	40.8	50.3	18.9
Nonprofit organization	7.8	D	D
Other or unknown ^f	3.3	2.9	4.1
Primary activity ^g			
Research and development	56.9	61.1	47.2
Teaching	15.1	D	D
Management or administration	8.8	D	D
Professional services and other	19.2	18.6	20.8
Secondary activity ^g			
Research and development	20.1	19.2	22.2
Teaching	10.9	D	D
Management or administration	19.7	18.6	22.2
Professional services and other	13.4	11.4	18.1
No secondary activity	36.0	D	D
Activity unknown	2.4	2.3	2.7
Postgraduation location (%) ^h			
United States ⁱ	88.7	87.8	90.3
Midwest	22.2	26.9	13.1
Northeast	9.9	9.0	11.7
South	30.9	31.2	30.3
West	25.7	20.8	35.2
Outside the United States	11.3	12.2	9.7
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	43.4	40.9	48.3

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Excludes doctorate recipients reporting plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postdoctoral plans for study.^c Other includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.^e Includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ Includes doctorate recipients with an unknown U.S. region of employment after doctorate, thus the percentages by regions will not sum to the value for United States; see the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.