

TABLE 9-3

**Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023**

(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)	1,135	759	376
Definite postdoctoral training plans	31.5	31.2	31.9
Definite employment plans	41.5	41.1	42.3
Seeking employment or study	24.8	25.8	22.9
Other status <sup>a</sup>	1.9	1.8	1.9
Definite postdoctoral training plans (%) <sup>b</sup>			
Postdoc fellowship or research associateship	95.8	94.5	98.3
Other training or unknown <sup>c</sup>	4.2	5.5	1.7
Definite employment plans (%) <sup>d</sup>			
Academe	33.3	33.3	33.3
In tenure track faculty position (%)	41.4	49.0	26.4
Not in tenure track position (%)	55.4	47.1	71.7
Government	14.4	9.0	25.2
Industry or business <sup>e</sup>	41.6	49.0	27.0
Nonprofit organization	6.6	5.4	8.8
Other or unknown <sup>f</sup>	4.0	3.2	5.7
Primary activity <sup>g</sup>			
Research and development	53.2	55.8	48.0
Teaching	D	20.3	D
Management or administration	D	3.7	D
Professional services and other	20.8	20.3	22.0
Secondary activity <sup>g</sup>			
Research and development	25.3	24.9	26.0
Teaching	5.5	6.3	4.0
Management or administration	25.1	23.3	28.7
Professional services and other	11.1	10.6	12.0
No secondary activity	33.0	34.9	29.3
Activity unknown	4.2	3.5	5.7
Postgraduation location (%) <sup>h</sup>			
United States <sup>i</sup>	93.1	92.2	95.0
Midwest	27.1	33.2	15.1
Northeast	13.4	11.3	17.6
South	31.0	30.8	31.5
West	21.3	16.4	30.8
Outside the United States	6.9	7.8	5.0
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	45.9	45.0	47.7
Male doctorate recipients reporting postgraduation status (number)	511	332	179
Definite postdoctoral training plans	34.1	34.9	32.4
Definite employment plans	40.7	39.8	42.5
Seeking employment or study	23.9	24.4	22.9
Other status <sup>a</sup>	1.2	0.9	1.7
Definite postdoctoral training plans (%) <sup>b</sup>			

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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	94.8	92.2	100.0
Other training or unknown <sup>c</sup>	5.2	7.8	0.0
Definite employment plans (%) <sup>d</sup>			
Academe	35.1	37.1	31.6
In tenure track faculty position (%)	38.4	46.9	20.8
Not in tenure track position (%)	56.2	46.9	75.0
Government	11.5	5.3	22.4
Industry or business <sup>e</sup>	41.8	48.5	30.3
Nonprofit organization	6.3	5.3	7.9
Other or unknown <sup>f</sup>	5.3	3.8	7.9
Primary activity <sup>g</sup>			
Research and development	58.2	59.2	56.3
Teaching	D	D	12.7
Management or administration	D	D	11.3
Professional services and other	19.4	19.2	19.7
Secondary activity <sup>g</sup>			
Research and development	25.5	26.4	23.9
Teaching	D	4.8	D
Management or administration	27.6	23.2	35.2
Professional services and other	8.7	8.8	8.5
No secondary activity	33.2	36.8	26.8
Activity unknown	5.8	5.3	6.6
Postgraduation location (%) <sup>h</sup>			
United States <sup>i</sup>	92.4	90.3	96.3
Midwest	26.4	34.3	11.9
Northeast	12.3	12.5	11.9
South	35.9	31.5	44.0
West	17.5	11.7	28.4
Outside the United States	7.6	9.7	3.7
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	48.4	44.8	55.2
Female doctorate recipients reporting postgraduation status (number)	624	427	197
Definite postdoctoral training plans	29.3	28.3	31.5
Definite employment plans	42.1	42.2	42.1
Seeking employment or study	25.6	26.9	22.8
Other status <sup>a</sup>	2.4	2.6	2.0
Definite postdoctoral training plans (%) <sup>b</sup>			
Postdoc fellowship or research associateship	96.7	96.7	96.8
Other training or unknown <sup>c</sup>	3.3	3.3	3.2
Definite employment plans (%) <sup>d</sup>			
Academe	31.9	30.6	34.9
In tenure track faculty position (%)	44.0	50.9	31.0
Not in tenure track position (%)	54.8	47.3	69.0
Government	16.7	11.7	27.7

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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 <sup>e</sup>	41.4	49.4	24.1
Nonprofit organization	6.8	5.6	9.6
Other or unknown <sup>f</sup>	3.0	2.8	3.6
Primary activity <sup>g</sup>			
Research and development	49.4	53.4	40.5
Teaching	22.4	D	D
Management or administration	6.3	D	D
Professional services and other	22.0	21.0	24.1
Secondary activity <sup>g</sup>			
Research and development	25.1	23.9	27.8
Teaching	D	7.4	D
Management or administration	23.1	23.3	22.8
Professional services and other	12.9	11.9	15.2
No secondary activity	32.9	33.5	31.6
Activity unknown	3.0	2.2	4.8
Postgraduation location (%) <sup>h</sup>			
United States <sup>i</sup>	93.7	93.7	93.8
Midwest	27.6	32.2	17.9
Northeast	14.3	10.3	22.8
South	26.9	30.2	20.0
West	24.4	20.3	33.1
Outside the United States	6.3	6.3	6.2
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	43.7	45.2	40.7

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Other status 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.<sup>b</sup> Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.<sup>c</sup> Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.<sup>d</sup> Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.<sup>e</sup> Industry or business includes doctorate recipients reporting self-employment.<sup>f</sup> Other is mainly composed of elementary and secondary schools.<sup>g</sup> Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.<sup>h</sup> Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.<sup>i</sup> United States 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 about the 2021 taxonomy change, see the "Technical Notes."

**Source(s):**

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