

Table 8-3**Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2022**

(Number, percent, and median years)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
All doctorate recipients (number) ^a	1,305	857	448
Sex (%)			
Male	48.0	47.6	48.7
Female	52.0	52.4	51.3
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	59.0	53.4	69.6
Temporary visa holder	38.0	44.3	25.9
Unknown	3.0	2.2	4.5
Marital status (%)			
Never married	34.0	36.2	29.9
Married	42.6	41.7	44.4
Marriage-like relationship	10.8	10.2	12.1
Separated, divorced, widowed	2.1	1.9	2.7
Unknown	10.4	10.2	10.9
Has dependent age 18 or younger (%)	22.7	22.5	22.9
Has one or more functional limitations (%)	14.3	13.5	15.8
Age at doctorate (median years)	31.7	31.2	33.3
Bachelor's in same field as doctorate (%) ^b	52.0	62.8	31.1
Master's earned (%)	77.7	75.6	81.8
Master's earned at same doctorate institution (%)	35.2	35.8	34.1
Time to doctorate (median years)			
Years since earning bachelor's degree	8.6	8.0	10.0
From graduate school start	7.2	6.8	8.0
From doctoral program start ^c	4.9	4.8	5.3
Received tuition remission (%)	87.4	85.8	90.6
Male doctorate recipients (number)	626	408	218
Citizenship status (%)			
U.S. citizen or permanent resident	55.6	48.3	69.3
Temporary visa holder	41.5	49.5	26.6
Unknown	2.9	2.2	4.1
Marital status (%)			
Never married	31.8	34.1	27.5
Married	46.8	45.3	49.5
Marriage-like relationship	9.9	D	D
Separated, divorced, widowed	1.8	D	D
Unknown	9.7	9.8	9.6
Has dependent age 18 or younger (%)	27.5	27.2	27.9
Has one or more functional limitations (%)	11.5	10.3	13.8
Age at doctorate (median years)	32.2	31.6	33.7
Bachelor's in same field as doctorate (%) ^b	54.0	65.4	32.3

Table 8-3**Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2022**

(Number, percent, and median years)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Master's earned (%)	80.4	77.7	85.6
Master's earned at same doctorate institution (%)	32.1	32.1	32.2
Time to doctorate (median years)			
Years since earning bachelor's degree	8.6	8.1	10.1
From graduate school start	7.3	6.9	8.0
From doctoral program start ^c	4.9	4.8	5.2
Received tuition remission (%)	86.4	84.3	90.4
Female doctorate recipients (number)	679	449	230
Citizenship status (%)			
U.S. citizen or permanent resident	62.2	58.1	70.0
Temporary visa holder	34.8	39.6	25.2
Unknown	3.1	2.2	4.8
Marital status (%)			
Never married	36.1	38.1	32.2
Married	38.7	38.3	39.6
Marriage-like relationship	11.6	D	D
Separated, divorced, widowed	2.5	D	D
Unknown	11.0	10.5	12.2
Has dependent age 18 or younger (%)	18.2	18.2	18.1
Has one or more functional limitations (%)	16.9	16.5	17.7
Age at doctorate (median years)	31.4	30.7	32.9
Bachelor's in same field as doctorate (%) ^b	50.2	60.5	30.0
Master's earned (%)	75.2	73.6	78.2
Master's earned at same doctorate institution (%)	38.4	39.5	36.2
Time to doctorate (median years)			
Years since earning bachelor's degree	8.5	8.0	10.0
From graduate school start	7.0	6.8	8.0
From doctoral program start ^c	5.0	4.8	5.3
Received tuition remission (%)	88.4	87.1	90.8

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

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.gov/pubs/nces23200>).

Source(s):

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