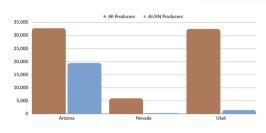


BIA West Region: Arizona – Nevada – Utah



### AI/AN average farm size is:

4,008 acres

Non-Native farms in this region average 1,249 acres <sup>1</sup>

The average size of AI/AN farms and ranches is more than three times the size of non-Native farms and ranches in the West Region.<sup>4</sup>

AI/AN Producers Do

Not Have Broadband

Access<sup>2</sup>

Produced Livestock<sup>6</sup>

Cattle - 1,897 farms Cattle - 137 farms

UT

Sheep - 234 farms

Horses - 554 farms

# Total AI/AN Market Value of Agricultural Sales :

\$177,330,000



Average Market Value of AI/AN Agricultural Sales:

Top AI/AN

AZ

Sheep - 3,573 farms

Horses - 554 farms

NV - \$91,974 AZ - \$11,740 UT - \$19,007

1

NV

Cattle - 88 farms

Horses - 31 farms

Poultry - 22 farms

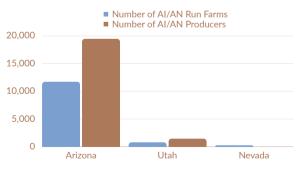


#### Average AI/AN net farm income \$13,710 Non-Native producers average \$27.637

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

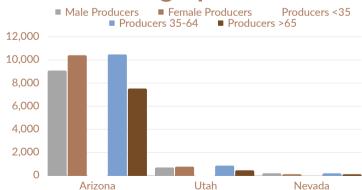
### **Top AI/AN Produced Crops⁵**

- NV Forage, wheat, apricots AZ – Forage, cotton, wheat
- UT Forage, crambe, vegetables
- Characteristics<sup>7</sup>



More than 60% of producers in Arizona are AI/AN.

### **AI/AN Demographics<sup>8</sup>**





BIA West Region: Arizona – Nevada – Utah

**Number of Tribal Supplemental Nutrition Assistance Program** (SNAP) Participants

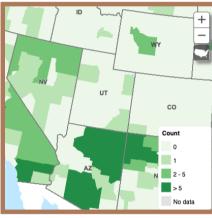
- NV 24.730 AZ - 188,850
- UT 6.172

**Total Food Distribution Program** on Indian Reservations (FDPIR)Participants<sup>10</sup>

NV - 710

AZ - 4.211

UT - 193



2015 FDPIR Sites **USDA Food Environment Atlas** 

#### **2017 Ag Census Fast Facts:**



The Navajo developed peach is drought resistant and grows well across Utah.



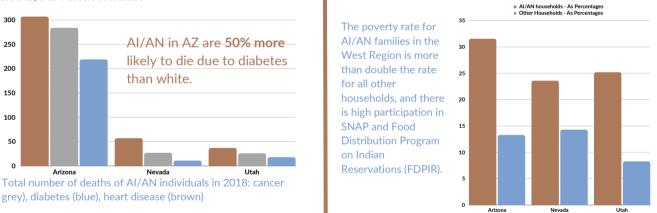
Arizona has the largest concentration of American Indian farms.



Family Poverty Rates for 2023<sup>12</sup>

Nevada has the highest percentage of Native military veterans as producers with 12%

#### Number of Nutrition Related Deaths in AI/AN Individuals<sup>11</sup>



Arizona and Utah are part of two separate BIA regions, but all information for the entirety of both states has been included here.

#### **1-8 2017 Census of Agriculture**

9-10 USDA Food and Nutrition Services

**11 Kaiser Family Foundation** 

**12 World Population Review** 

Research conducted and compiled by the Indigenous Food and Agriculture Initiative. For questions or comments, contact Kristiana Coutu, Director of Policy, Research and Tribal Governance, at kcoutu@uark.edu



BIA Alaska Region: Alaska

2,000	All Producers Al/AN Producers				
1,500					
1,000					
500					
0	A	laska			

### AI/AN average farm size is:

4,379 acres

Non-Native farms in this region average 858 acres <sup>1</sup>

The average size of AI/AN farms and ranches is more than five times the size of non-Native farms and ranches in the Alaska Region.<sup>4</sup>

# Total AI/AN Market Value of Agricultural Sales :

\$2,255,000



Per Farm Average AI/AN Market Value of Agricultural Sales :

\$30,466



Average AI/AN net farm income \$4,061 Non-Native producers average \$14,457

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

### **Top AI/AN Produced Crops⁵**



- Grains, Oilseeds, Dry Beans, Dry Peas
- Tobacc
  Cotton
- Tobacco
  - Cotton and Cottonseed



12% Al/AN Producers Do Not Have Broadband Access<sup>2</sup>



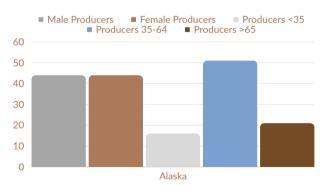
Poultry - 16 farms Cattle - 9 farms Hogs and Pigs - 2 farms

Characteristics<sup>7</sup>



Less than 8% of producers in Alaska are AI/AN.

### AI/AN Demographics<sup>8</sup>





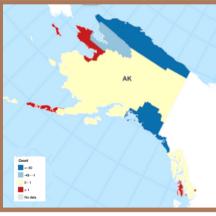
**BIA Alaska Region: Alaska** 

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

10,599

Total Food Distribution Program on Indian Reservations (FDPIR) Participants<sup>10</sup>

223

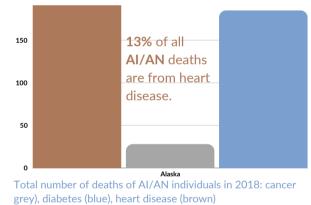


2015 FDPIR Sites USDA Food Environment Atlas 2017 Ag Census Fast Facts:

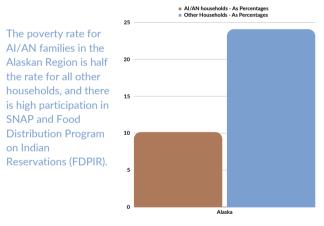


Almost half of the farmers in Alaska are new or beginning farmers,

# Number of Nutrition Related Deaths in AI/AN Individuals<sup>11</sup>



### Family Poverty Rates for 2023<sup>12</sup>



#### 1-8 2017 Census of Agriculture

9-10 USDA Food and Nutrition Services

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BIA California Region: California

140,000	
100.000	
100,000	
80,000	
60,000	
40,000	
20,000	
0 Alaska	

#### AI/AN average farm size is:

285 acres

Non-Native farms in this region average 348 acres<sup>1</sup>

AI/AN farmers and ranchers are more likely to be a veteran than non-Native farmers and ranchers in the California Region.<sup>4</sup>

# Total AI/AN Market Value of Agricultural Sales :

# \$505,627,000



Per Farm Average AI/AN Market Value of Agricultural Sales :

\$234,848



#### Average AI/AN net farm income \$33,910 Non-Native producers average \$126.351

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

### 18% Al/AN Producers Do Not Have Broadband Access<sup>2</sup>

Top AI/AN Produced Crops⁵

- Forage
- Almonds
- Vegetables



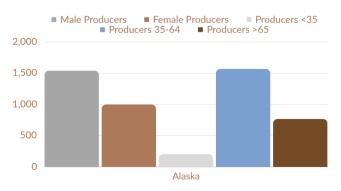
Poultry - 208 farms Cattle - 363 farms Sheep, goats- 186 farms

Characteristics<sup>7</sup>



Less than 2% of producers in California are AI/AN.

### AI/AN Demographics<sup>8</sup>



While the number of male producers is much larger than female producers, female producers make up only 9% of all producers in the country, according to the USDA 2017 Census of Agriculture



**BIA California Region: California** 

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

17,444

Total Food Distribution Program on Indian Reservations (FDPIR)Participants<sup>10</sup>

2,349

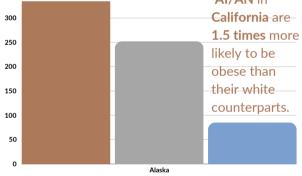


2015 FDPIR Sites USDA Food Environment Atlas 2017 Ag Census Fast Facts:



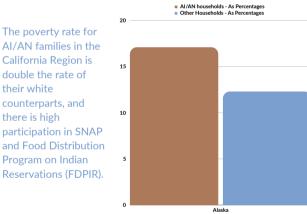
The total market value of products sold by AI/AN producers is \$505,627,000, which is 1% of all farms in California.

#### Number of Nutrition Related Deaths in AI/AN Individuals<sup>11</sup> AI/AN in



Total number of deaths of AI/AN individuals in 2018: cancer grey), diabetes (blue), heart disease (brown)

### Family Poverty Rates for 2023<sup>12</sup>



**1-8 2017 Census of Agriculture** 

9-10 USDA Food and Nutrition Services

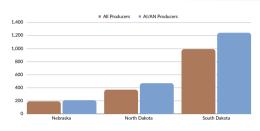
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BIA Great Plains Region: Nebraska - North Dakota - South Dakota



#### AI/AN average farm size is:

**2,101** acres

Non-Native farms in this region average 1,302 acres<sup>1</sup>

AI/AN farms and ranches have two times less farm expenses than t non-Native farms and ranches in Nebraska.⁴

#### Total AI/AN Market Value of **Agricultural Sales :**

\$213,269,000



Average Market Value of AI/AN **Agricultural Sales:** 

NE - \$173,301 ND - \$125.504 SD - \$168.502



#### Average AI/AN net farm income \$86.206 Non-Native producers average \$155.619

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture

### **Top AI/AN Produced Crops<sup>5</sup>**



- NE Corn, forage, soybeans
- ND Forage, wheat, soybeans
- SD Forage, wheat, corn



AI/AN Producers Do Not Have Broadband Access<sup>2</sup>

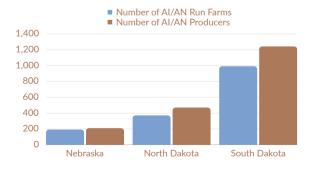
#### Top AI/AN Produced Livestock<sup>6</sup> NE ND Cattle - 85 farms Sheep - 3,573 farms Cattle - 1,897 farms Lavers - 20 farms

11

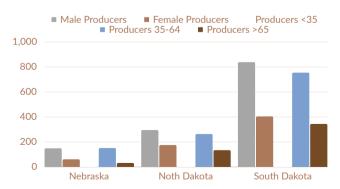
Horses - 554 farms Horses- 13 farms

SD Broilers - 41 farms Cattle - 680 farms Goats - 26 farms

Characteristics<sup>7</sup>



### **AI/AN Demographics<sup>8</sup>**



While the number of male producers far outnumbers the female producers in this region, female producers make up only 9% of all producers in the country, according to the USDA 2017 Census of Agriculture



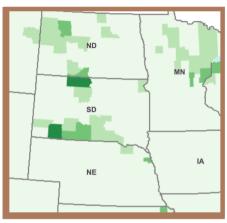
BIA Great Plains Region: Nebraska - North Dakota - South Dakota

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

- NE 6,182
- ND 2,251
- SD 10,749

Total Food Distribution Program on Indian Reservations (FDPIR)Participants<sup>10</sup>

- NE 729
- ND 3,673
- SD 5,836



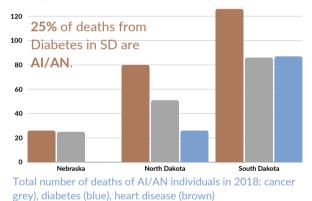
#### 2015 FDPIR Sites USDA Food Environment Atlas

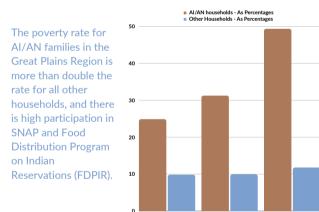
#### 2017 Ag Census Fast Facts:



More than 80% of the harvested cropland on South Dakota Reservations is controlled by non-native producers.

# Number of Nutrition Related Deaths in AI/AN Individuals<sup>11</sup>





Nebraska

South Dakota

**1-8 2017 Census of Agriculture** 

9-10 USDA Food and Nutrition Services

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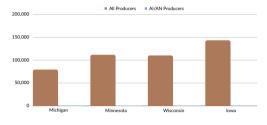
Research conducted and compiled by the Indigenous Food and Agriculture Initiative. For questions or comments, contact Kristiana Coutu, Director of Policy, Research and Tribal Governance, at kcoutu@uark.edu

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### Family Poverty Rates for 2023<sup>12</sup>



BIA Midwest Region: Michigan - Minnesota - Wisconsin - Iowa



AI/AN average farm size is:

acres

Non-Native farms in this region average 885 acres<sup>1</sup>

Native American Minnesotans account for 1.4% of the population, but only 0.16% of farmers.

AI/AN Producers Do

Not Have Broadband

IA

Hogs- 10 farms

Cattle- 33 farms

Goats - 16 farms

Access<sup>2</sup>

Produced Livestock<sup>6</sup>

WI

Cattle- 77 farms

Poultry- 51 farms

Hogs - 13 farms

#### Total AI/AN Market Value of **Agricultural Sales :**

\$101,350.75



Average Market Value of AI/AN Agricultural Sales:

Top AI/AN

ML - \$57.518 MN - \$106,398 WI - \$85.321 - \$156.166

4

IA

MI

Cattle- 109 farms

Hogs- 60 farms

Broilers- 167 farms



Average AI/AN net farm income 8.252.50 Non-Native producers average \$55,222

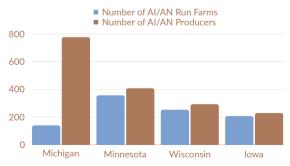
Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

#### **Top AI/AN Produced Crops<sup>5</sup>**



- MI Soybeans, forage, corn
- MN Wild rice, soybeans, corn
- WI Soybeans, forage, corn
- IA Corn, soybeans, forage,

### Characteristics<sup>7</sup>



There are 5 producers for every AI/AN farm in Michigan

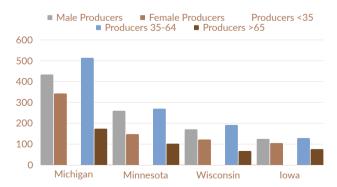
### **AI/AN Demographics**<sup>8</sup>

MN

Hogs - 34 farms

Cattle - 58 farms

Poultry - 58 farms

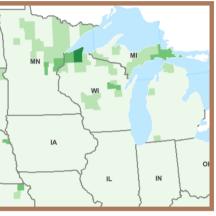




BIA Midwest Region: Michigan - Minnesota - Wisconsin - Iowa

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

MI - 73,234 MN - 49,466 WI - 45,647 IA- 3,688

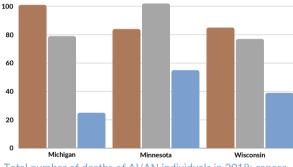


Total Food Distribution Program on Indian Reservations (FDPIR)Participants<sup>10</sup>

MI - 1,067MN - 1,061WI - 1,250IA - Does not participate in FDPIR

2015 FDPIR Sites USDA Food Environment Atlas

# Number of Nutrition Related Deaths in AI/AN Individuals<sup>11</sup>



Total number of deaths of AI/AN individuals in 2018: cancer grey), diabetes (blue), heart disease (brown) (lowa had no data)

### 1-8 2017 Census of Agriculture 9-10 U

9-10 USDA Food and Nutrition Services

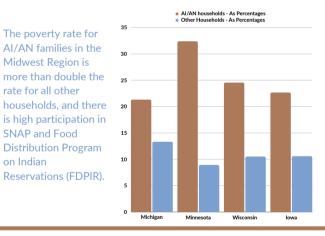
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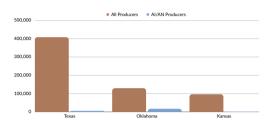
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#### Family Poverty Rates for 2023<sup>12</sup>





**BIA Southern Plains and Eastern Oklahoma Regions: TX - OK - KS** 



#### AI/AN average farm size is:

352 acres

Non-Native farms in this region average 576 acres<sup>1</sup>

Quick fact: Oklahoma has more Triballyoperated meat processing facilities than any other state

AI/AN Producers Do

Not Have Broadband

Access<sup>2</sup>

# Total AI/AN Market Value of Agricultural Sales :

\$1,073,155,000



Average Market Value of AI/AN Agricultural Sales:

TX – \$67,285 OK – \$41,100 KS – \$196,424



# Average AI/AN net farm income \$10,512

Non-Native producers average \$27, 225 Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

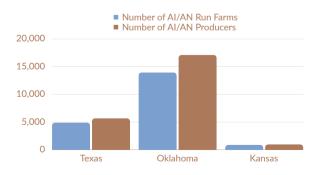
### **Top AI/AN Produced Crops⁵**



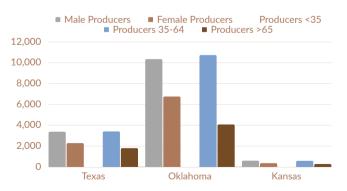
- TX Forage, cotton, wheat
- OK Forage, wheat, soybeans
- KS Forage, wheat, soybeans



### Characteristics<sup>7</sup>



### AI/AN Demographics<sup>8</sup>





**BIA Southern Plains and Eastern Oklahoma Region: TX- OK - KS** 

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

TX- 209,622 OK - 116,683 KS - 6,151

Total Food Distribution Program on Indian Reservations (FDPIR)Participants<sup>10</sup>

TX — 183 OK — 15,848 KS — 390

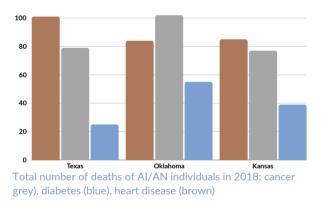


2015 FDPIR Sites USDA Food Environment Atlas

### CO KS WC AR AR TX LA Cographic Lavel: County-level Jihlma-otherwise noted, \*sSiste, \*sRegion

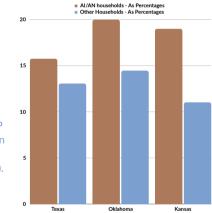
2016 % SNAP Eligibility USDA Food Environment Atlas

# Number of Nutrition Related Deaths in AI/AN Individ<del>uals<sup>11</sup></del>



### Family Poverty Rates for 2023<sup>12</sup>

The poverty rate for AI/AN families in the Southern Plains and Eastern Oklahoma Region is not as high as other regions, but there is still high participation in SNAP and Food Distribution Program on Indian Reservations (FDPIR).



**1-8 2017 Census of Agriculture** 

9-10 USDA Food and Nutrition Services

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**BIA Northwest Region: Idaho - Oregon - Washington** 

70,000		All Producers	AI/AN Producers		
70,000					
60,000					
50,000					
40,000					
30,000					
20,000					
10,000					
. 0					
0	Idaho	Oregon		Washington	

#### AI/AN average farm size is:

**1,634 acres** 

Non-Native farms in this region average 434 acres<sup>1</sup>

The average size of AI/AN farms and ranches is almost four times the size of non-Native farms and ranches in the Northwest Region.<sup>4</sup>

AI/AN Producers Do

Not Have Broadband

WA

Cattle- 261 farms

Layers - 179 farms

Sheen - 114 farms

Access<sup>2</sup>

Produced Livestock<sup>6</sup>

# Total AI/AN Market Value of Agricultural Sales :

\$1,073,155,000



Average Market Value of AI/AN Agricultural Sales:

Top AI/AN

OR

Cattle - 335 farms

Horses - 73 farms

Layers- 195 farms

ID - \$153,986 OR - \$52,887 WA - \$79,643

1

ID

Cattle- 147 farms

Lavers - 60 farms

Horses - 39 farms



#### Average AI/AN net farm income \$16,215 Non-Native producers average \$39,967

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

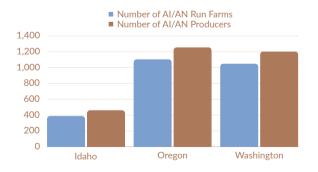
### **Top AI/AN Produced Crops⁵**



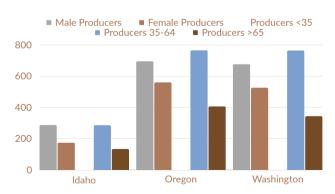
ID – Forage, corn, wheat OR – Forage, wheat, cherries

WA – Wheat, forage, corn

### Characteristics<sup>7</sup>



### AI/AN Demographics<sup>8</sup>





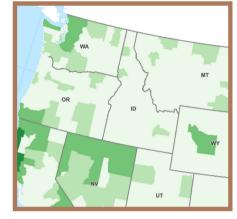
**BIA Northwest Region: Idaho - Oregon - Washington** 

**Number of Tribal Supplemental Nutrition Assistance Program** (SNAP) Participants

ID - 209.622 OR - 116.683 WA - 6.151

**Total Food Distribution Program** on Indian Reservations (FDPIR)Participants<sup>10</sup>

ID - 183OR - 15.848 WA - 390



2015 FDPIR Sites **USDA Food Environment Atlas** 

**2017 Ag Census Fast Facts:** 

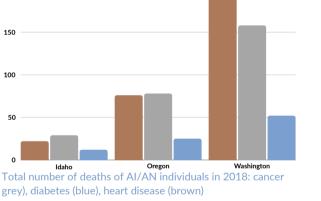


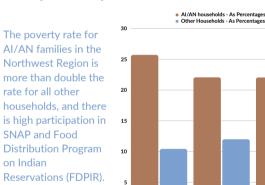
One of the traditional plants harvested by the Colville Nation is Inchelium red garlic. It is the oldest strain of garlic grown in America.

Oregon









1-8 2017 Census of Agriculture

9-10 USDA Food and Nutrition Services

0

Idaho

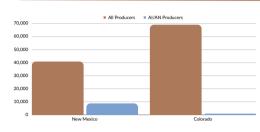
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**BIA Southwest Region: New Mexico - Colorado** 



### AI/AN average farm size is:

1,260 acres

Non-Native farms in this region average 1,221 acres <sup>1</sup>



21 % of all producers in New Mexico are AI/AN.<sup>4</sup>

# Total AI/AN Market Value of Agricultural Sales :

\$190,435,000



Average Market Value of AI/AN Agricultural Sales:

NM - \$17,236 CO - \$98,446



# Average AI/AN net farm income \$3,395

Non-Native producers average \$21,727 Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

### **Top AI/AN Produced Crops⁵**



NM - Forage, wheat, sorghum CO - Forage, corn, wheat

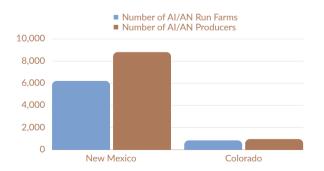


Cattle- 1,294 farms Sheep/Goats - 1,562 farms Horses - 186 farms CO Cattle- 246 farms Poultry - 137 farms Horses - 54 farms

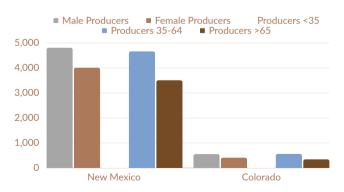
AI/AN Producers Do

Not Have Broadband

### Characteristics<sup>7</sup>



### **AI/AN Demographics<sup>8</sup>**





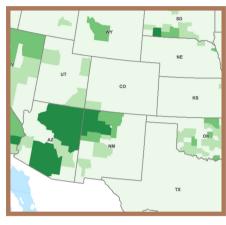
**BIA Southwest Region: New Mexico - Colorado** 

Number of Tribal Supplemental Nutrition Assistance Program (SNAP) Participants

NM - 80,962 CO - 5,416

Total Food Distribution Program on Indian Reservations (FDPIR)Participants<sup>10</sup>

NM - 1,415 CO - 183

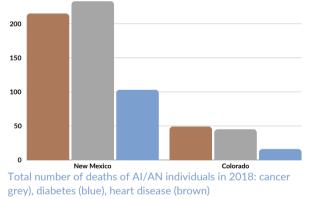


2015 FDPIR Sites USDA Food Environment Atlas 2017 Ag Census Fast Facts:

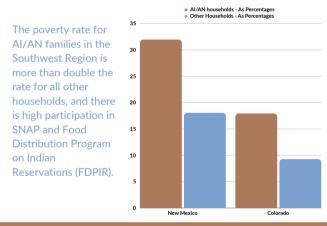


New Mexico is experiencing growth within agriculture, with 24% of the state's AI/AN farmers are new and beginning farmers.

### Number of Nutrition Related Deaths in Al/AN Individ<del>uals<sup>11</sup></del>



### Family Poverty Rates for 2023<sup>12</sup>



**1-8 2017 Census of Agriculture** 

9-10 USDA Food and Nutrition Services

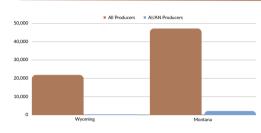
**11 Kaiser Family Foundation** 

**12 World Population Review** 

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**BIA Rocky Mountain Region: Wyoming - Montana** 



#### AI/AN average farm size is:

**2,501** acres

Non-Native farms in this region average 2,290 acres<sup>1</sup>

Beans are the number two crop in Wyoming for AI/AN producers and have been an important part of Cheyenne and other Tribes' cultures since time immemorial.

AI/AN Producers Do

Not Have Broadband

Sheen - 48 farms

**Total AI/AN Market Value of Agricultural Sales :** 

\$122,255,000



Average Market Value of AI/AN **Agricultural Sales:** 

WY - \$74,966 MT - \$58.868



### Average AI/AN net farm income 1.781

Non-Native producers average \$55,222 Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture

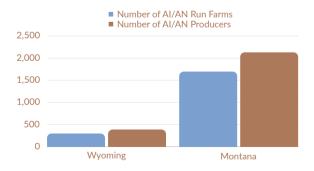
### **Top AI/AN Produced Crops<sup>5</sup>**



WY - Forage, dry edible beans, corn MT – Wheat, forage, barley

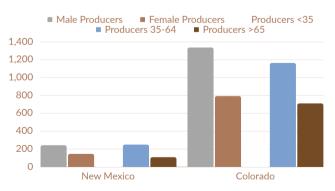


### Characteristics<sup>7</sup>



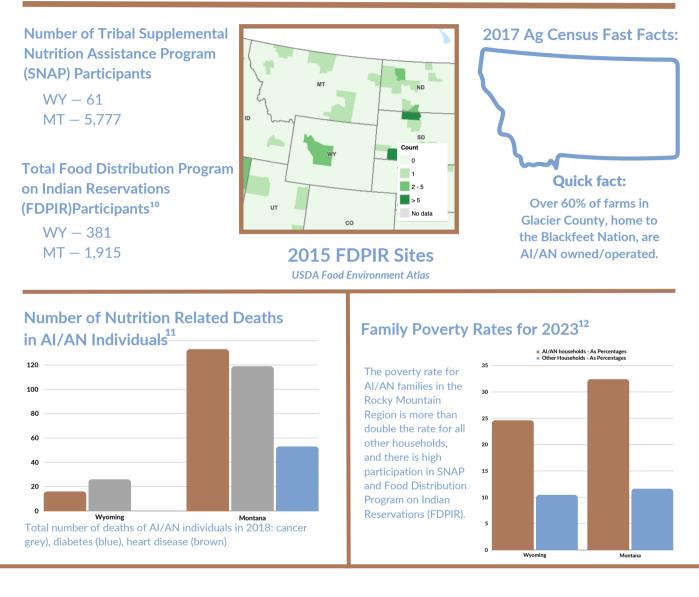
### **AI/AN Demographics<sup>8</sup>**

Sheen - 20 farms





**BIA Rocky Mountain Region: Wyoming - Montana** 



**1-8 2017 Census of Agriculture** 

9-10 USDA Food and Nutrition Services

**11 Kaiser Family Foundation** 

**12 World Population Review** 

Research conducted and compiled by the Indigenous Food and Agriculture Initiative. For questions or comments, contact Kristiana Coutu, Director of Policy, Research and Tribal Governance, at kcoutu@uark.edu



BIA Eastern Region: AL-AR-CT-DE-FL-GA-IL-IN-KY-LA-ME-MD MA-MI-MO-NH-NJ-NY-NC-OH-RI-SC-TN-VT-VA-WV-PA

### **Characteristics of Native Run Farms<sup>1</sup>**



# Average Market Value<sup>2</sup> \$67,609

Numbers reflect market values for AI/AN producers



\$13,664

Average AI/AN net farm income <sup>3</sup> Non-Native producers average \$35,391

Lower net farm income is one contributing factor to credit access in Indian Country food and agriculture.

**135** Average Acres<sup>4</sup> for AI/AN Farms





21% AI/AN Farms Do Not Have

Broadband Access<sup>5</sup>



### Top Crops<sup>6</sup>

- Forage
- Soybeans
- Corn

### **Top Livestock<sup>7</sup>**

- Poultry
- Cattle
- Horses
- Sheep





### FOOD SECURITY REPORT AMERICAN INDIAN, ALASKA NATIVE PRODUCERS BIA Eastern Region: AL-AR-CT-DE-FL-GA-IL-IN-KY-LA-ME-MD MA-MI-MO-NH-NJ-NY-NC-OH-RI-SC-TN-VT-VA-WV-PA

**Fast Facts:** 

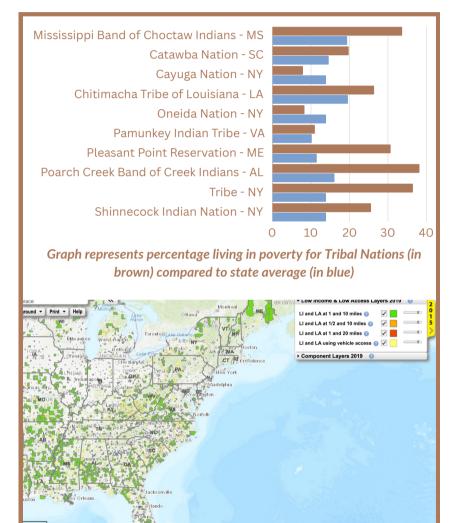
29,172

Number of Tribal SNAP Participants Across the Eastern Region<sup>8</sup> (or 47% of the region's 62,000 Tribal citizens)

While only 870 utilize FDPIR'

### **Other Regional Facts:**

- Despite covering 27 states, only 12 states in the Eastern Region's states are home to federally-recognized Tribes.
- The Eastern BIA Region serves approximately 62,000 Tribal citizens that make up the 34 Tribes.



BIA Midwest and Eastern Regions Food Access Map - USDA Food Atlas

1-7 2017 Census of Agriculture

8-9 USDA Food and Nutrition Services

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