

**TABLE 1. COMPARISON OF LSC-ELIGIBLE AGRICULTURAL WORKER POPULATION -- MICHIGAN  
ETA/JBS ESTIMATES vs. PROPOSED MAP/FLS ESTIMATES**

<b>A</b>	<b>Michigan</b>	<b>Source / Calculations</b>	<b>ETA/JBS Table II</b>	<b>MAP/FLS Table II</b>	<b># Increase</b>	<b>% Increase</b>
<b>B</b>	Total # of Farm Workers in State	Table I, Col. X	80,549	87,870 (a)	7,321	9%
<b>C</b>	Total # H2A FWs + H2B Workers	Table I, Col. AE	344	2,226 (b)	1,882	547%
<b>D</b>	Number of Active Agricultural Workers (that are Not H2A)	Row B - Row C	80,205	85,644	5,439	
<b>E</b>	Ave. # of LSC-Eligible Workers per Active Farmworker	Table I, Col. AG	0.12680	0.20 (c)		
<b>F</b>	# of LSC-Eligible Ag Workers (Not H2A)	Row D * Row E	10,170	17,128	6,958	68%
<b>G</b>	Total # LSC- Eligible Active Ag Workers	Row C + Row F	10,514	19,354	8,840	84%
<b>H</b>	Ave. # of LSC-Eligible Dependents per Active Farmworker	Table I, Col. AJ	0.3112	0.60 (d)		
<b>I</b>	Total # of LSC-Eligible Dependents (of Non- H2A Workers)	Row D * Row H	24,961	51,386	26,425	106%
<b>J</b>	Total LSC-Eligible Population of Active FWs and Dependents	Row G + Row I	35,476	70,740	35,264	99%
<b>K</b>	Retired / Out-of-Work Ag Worker Population Variable	Table I, Col. AM	18.97%	18.97%		
<b>L</b>	LSC-Eligible Retired / Out-of- Workforce Population	Row J * Row K	6,730	13,419	6,689	99%
<b>M</b>	# of Unauthorized and Below Poverty §1626.4- Eligible FWs	LSC Memo	2,054	2,239 (e)	185	9%
<b>N</b>	Total LSC-Eligible Agricultural Worker Population	Rows J + L + M	44,259	86,398	42,139	95%

ATT. A



Dear Mr. Paredes,

These estimates are based on data reported by employers to the 2012 Census of Agriculture<sup>1</sup> reflecting the number of directly hired crop and animal production employees and an estimated number of contract workers based on the dollar amount paid to contract workers. We have adjusted the reported Census of Agriculture numbers to estimate the number of total workers (including both directly hired and contract workers). Estimates of the number of spouses not employed in agriculture and the number of non-working child dependents are produced with data from the 2010-2012 National Agricultural Worker Survey (NAWS)<sup>2</sup> and are available for a fee.

**Disclaimer: We have NOT validated these numbers through our established research and review process, and they have not been adjusted to reflect the following factors which could alter the total estimate of agricultural workers in Michigan:**

1. Aged and disabled former agricultural workers
2. Under-reporting by agricultural employers
3. Unemployed agricultural workers
4. Agricultural workers who are employed by multiple employers in the state of Michigan over a one-year period
5. External conditions such as weather events, legislative changes, etc.
6. Directly hired workers or contract workers who are employed by agricultural employers, but do not directly participate in agricultural activities (i.e., office managers)
7. Data suppressed by the UDSA (usually due to fewer than three respondents in the county)

While we are comfortable with the estimates below as threshold estimates, we are not in a position to validate this estimate without going through a more rigorous process. If you are interested in learning more about NCFH's population estimation research and review process, please contact Bethany Boggess at [boggess@ncfh.org](mailto:boggess@ncfh.org) or 512.312.5455.

Agricultural worker estimates for Michigan:

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<sup>1</sup> United States Department of Agriculture, *Census of Agriculture*, 2012 <http://www.agcensus.usda.gov/Publications/2012/>

<sup>2</sup> United States Department of Labor, National Agricultural Workers Survey, 2010-2012 <http://www.doleta.gov/agworker/naws.cfm>

FIPS Code	State & County	Crop production workers	Animal production workers	Total workers
26001	Michigan ALCONA	NA	NA	NA
26003	Michigan ALGER	NA	28.4	NA
26005	Michigan ALLEGAN	3191.9	1054.1	4245.9
26007	Michigan ALPENA	166.7	152.4	319.1
26009	Michigan ANTRIM	716.0	69.0	785.0
26011	Michigan ARENAC	172.4	104.7	277.1
26013	Michigan BARAGA	NA	NA	NA
26015	Michigan BARRY	458.5	487.8	946.3
26017	Michigan BAY	888.4	112.7	1001.1
26019	Michigan BENZIE	294.9	53.3	348.2
26021	Michigan BERRIEN	4887.3	151.2	5038.5
26023	Michigan BRANCH	790.8	248.7	1039.4
26025	Michigan CALHOUN	753.0	390.7	1143.7
26027	Michigan CASS	730.1	231.9	962.1
26029	Michigan CHARLEVOIX	158.7	62.8	221.5
26031	Michigan CHEBOYGAN	169.2	53.4	222.6
26033	Michigan CHIPPEWA	200.4	95.6	296.0
26035	Michigan CLARE	NA	NA	NA
26037	Michigan CLINTON	1165.9	642.2	1808.0
26039	Michigan CRAWFORD	NA	NA	NA
26041	Michigan DELTA	158.8	77.5	236.3
26043	Michigan DICKINSON	62.2	NA	62.2
26045	Michigan EATON	490.0	330.3	820.3
26047	Michigan EMMET	270.7	NA	270.7
26049	Michigan GENESEE	1350.5	266.9	1617.4
26051	Michigan GLADWIN	258.9	173.5	432.4
26053	Michigan GOGEBIC	NA	NA	NA
26055	Michigan GRAND TRAVERSE	950.1	48.5	998.6
26057	Michigan GRATIOT	982.2	689.2	1671.3
26059	Michigan HILLSDALE	1000.1	377.4	1377.5
26061	Michigan HOUGHTON	NA	NA	NA
26063	Michigan HURON	1040.0	965.7	2005.7
26065	Michigan INGHAM	853.8	431.9	1285.6
26067	Michigan IONIA	629.4	1104.7	1734.1
26069	Michigan IOSCO	74.9	113.4	188.2
26071	Michigan IRON	NA	NA	NA
26073	Michigan ISABELLA	551.3	214.9	766.1
26075	Michigan JACKSON	485.3	352.2	837.5
26077	Michigan KALAMAZOO	2744.9	306.9	3051.9

26079	Michigan KALKASKA		184.3	94.5	278.8
26081	Michigan KENT		3519.7	552.3	4072.0
26083	Michigan KEWEENAW	NA		NA	NA
26085	Michigan LAKE	NA		NA	NA
26087	Michigan LAPEER		1256.7	301.6	1558.3
26089	Michigan LEELANAU		1812.4	104.6	1917.0
26091	Michigan LENAWEE		1139.6	428.4	1568.0
26093	Michigan LIVINGSTON		583.0	328.2	911.2
26095	Michigan LUCE	NA		NA	NA
26097	Michigan MACKINAC	NA		43.1	43.1
26099	Michigan MACOMB		1347.7	197.8	1545.5
26101	Michigan MANISTEE	NA		NA	NA
26103	Michigan MARQUETTE		16.6	63.8	80.4
26105	Michigan MASON		673.3	160.1	833.3
26107	Michigan MECOSTA		396.9	343.3	740.3
26109	Michigan MENOMINEE		169.4	270.2	439.6
26111	Michigan MIDLAND	NA		NA	NA
26113	Michigan MISSAUKEE	NA		NA	NA
26115	Michigan MONROE		1648.1	165.5	1813.6
26117	Michigan MONTCALM		1156.6	378.3	1534.9
26119	Michigan MONTMORENCY	NA		NA	NA
26121	Michigan MUSKEGON		1701.5	201.1	1902.6
26123	Michigan NEWAYGO		1013.2	645.0	1658.2
26125	Michigan OAKLAND		718.6	282.7	1001.3
26127	Michigan OCEANA		2926.7	408.6	3335.3
26129	Michigan OGEMAW	NA		NA	NA
26131	Michigan ONTONAGON	NA		NA	NA
26133	Michigan OSCEOLA		202.7	302.0	504.8
26135	Michigan OSCODA	NA		136.0	136.0
26137	Michigan OTSEGO	NA		NA	NA
26139	Michigan OTTAWA		7332.6	785.3	8117.9
26141	Michigan PRESQUE ISLE		230.5	85.6	316.1
26143	Michigan ROSCOMMON	NA		NA	NA
26145	Michigan SAGINAW		1088.4	270.3	1358.7
26151	Michigan SANILAC		1185.8	218.4	1404.2
26153	Michigan SCHOOLCRAFT	NA		175.2	175.2
26155	Michigan SHIAWASSEE		653.5	718.6	1372.1
26147	Michigan ST CLAIR		613.5	NA	613.5
26149	Michigan ST JOSEPH		1012.5	307.9	1320.4
26157	Michigan TUSCOLA		1246.8	310.0	1556.8
26159	Michigan VAN BUREN		6730.3	201.6	6931.8

26161	Michigan WASHTENAW	1067.2	430.5	1497.7
26163	Michigan WAYNE	844.0	177.1	1021.1
26165	Michigan WEXFORD	190.4	81.0	271.5



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UPCOMING EVENT SEPTEMBER 16, 2015  
MIGRATION POLICY INSTITUTE

## What's New in Farm Labor? Immigration and the Agricultural Sector

[Employment & the Economy](#) [Labor Market Impacts](#) [Sectoral Employment](#) [Temporary Workers](#) [Illegal Immigration & Interior Enforcement](#)

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Migrant Workers and Cucumbers, Blackwater, VA/ Bread for the World

When: Wednesday, September 16, 2015  
9:00 to 10:30 A.M. ET

Where: MPI Conference Room  
1400 16th Street NW,  
Suite 300 (Third Floor),  
Washington, DC 20036

### Speakers:

Phillip Martin, Chair, UC Comparative Immigration & Integration Program, University of California, Davis

Tom Hertz, Economist, Rural Economy Branch, Resource and Rural Economics Division, Economic Research Service, U.S. Department of Agriculture

Craig Regelbrugge, Senior Vice President, Industry Advocacy and Research, AmericanHort

### Moderator:

Marc Rosenblum, Deputy Director, U.S. Immigration Policy Program, Migration Policy Institute

Recently released farm labor data show that after a decade of stability, the number of full-time jobs in agriculture rose 14 percent between 2007 and 2012, to 1.4 million. This growing segment of the agricultural workforce is comprised largely of immigrants, with more than half of U.S. crop workers over the past two decades here in unauthorized status.

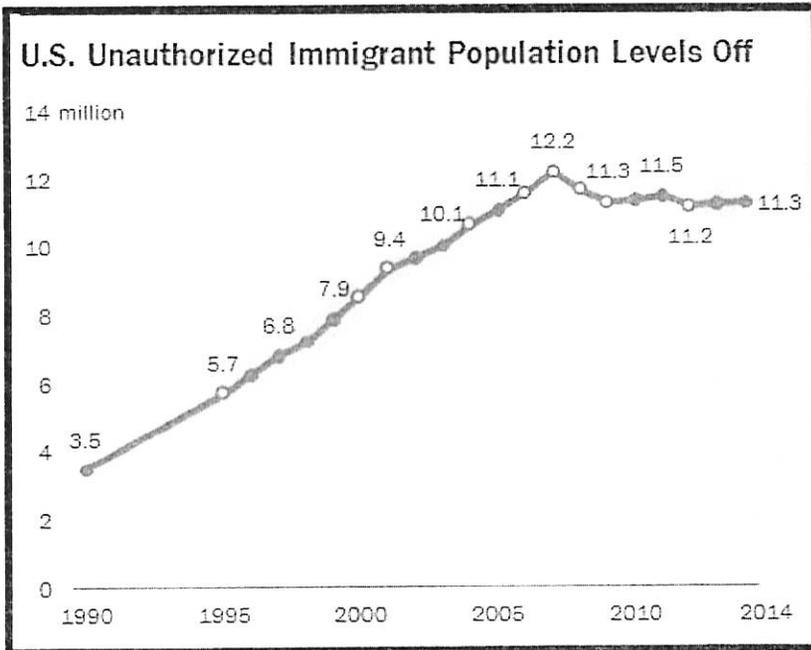
Join the Migration Policy Institute (MPI) for an expert discussion on the findings of the National Agricultural Workers Survey (NAWS), including data that illustrate that the workforce on U.S. crop farms, which is composed largely of unauthorized Mexican immigrants, is aging and increasingly settled in the United States. Panelists will provide an overview of farm labor in 2015; discuss trends demonstrated by the NAWS; and examine how fading prospects for comprehensive immigration reform, the expansion of the H-2A program, and possible eligibility for deferred action programs may impact the agricultural workforce. The discussion will also include an analysis of possible future policies that could impact immigrant workers in the agricultural sector.

No registration is necessary to view the livestream. Check back on September 16 to watch the livestream here.

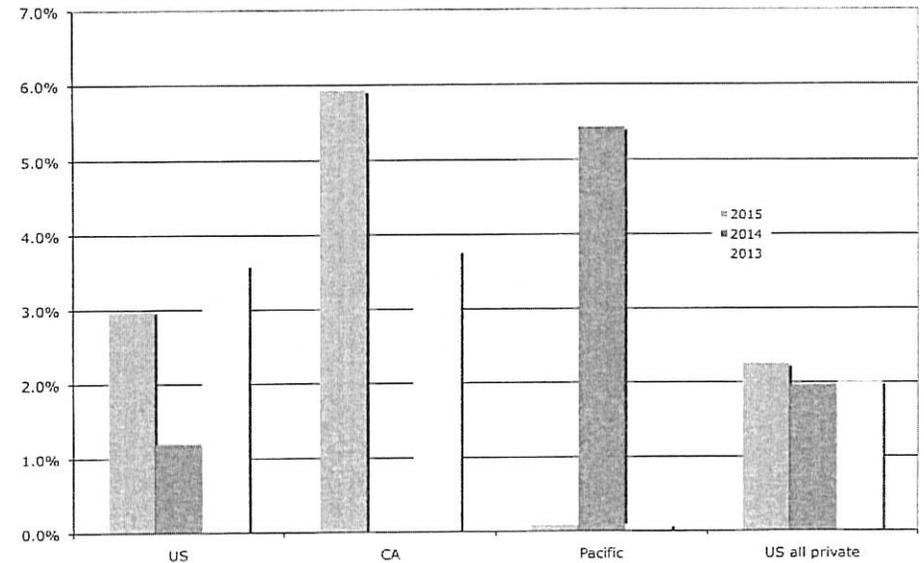
ATT. C.

# Farm Labor: 2015

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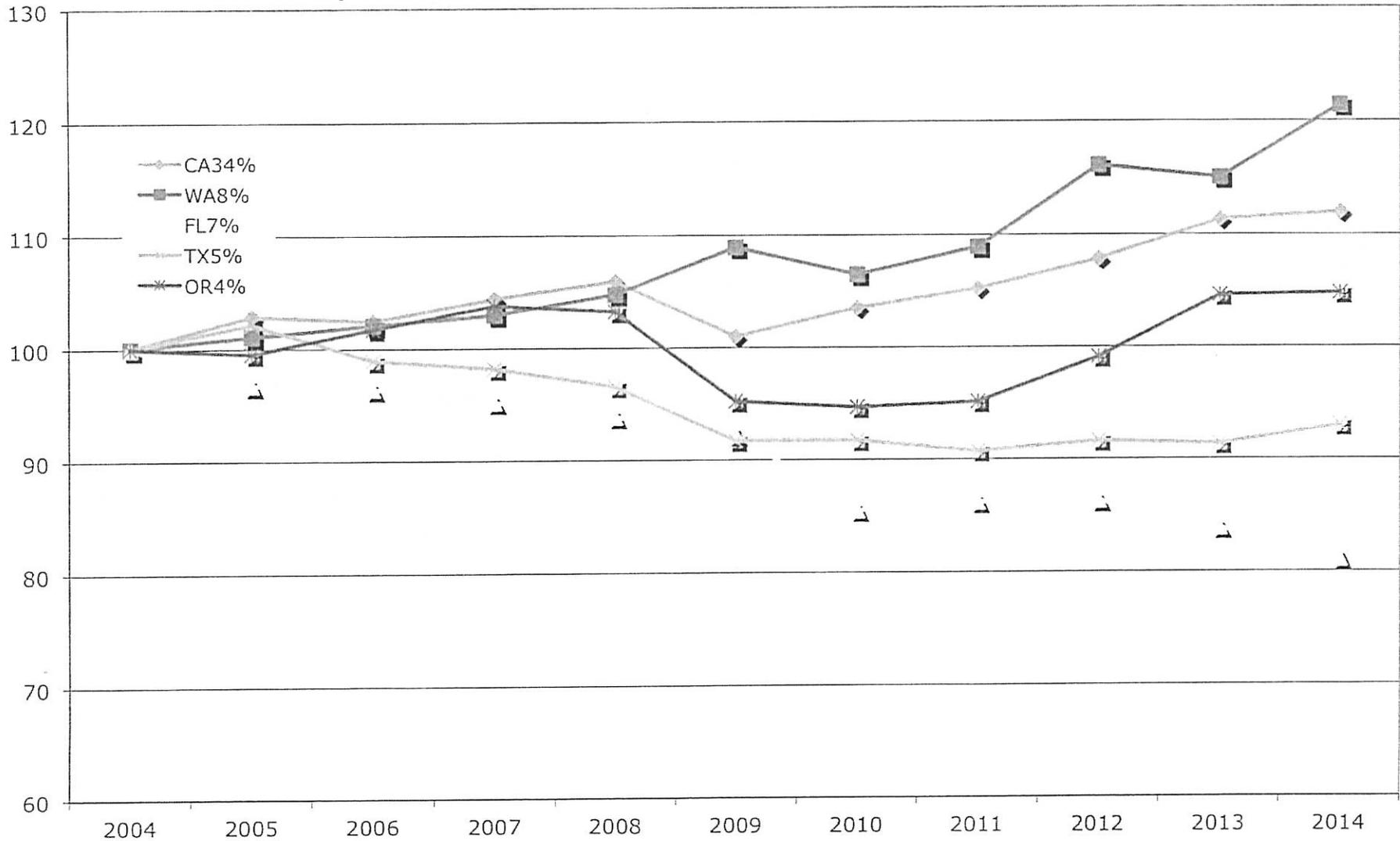


April Farm Worker & all US Earnings, 2012-15



# UI ag employ 2004-14 up 6%: Top 5 = 57% of US ag emp

Average annual employment, 2004-14 (2004 = 100). Label has state's share of US average of 1.2 million FTE ag jobs in 2014; each 1% = 12,000 jobs.  
 WA up 20%, FL down 20%. These 5 states = 57% of US total



# Next 5 states each have >2% of total ag employment

Average Annual Ag Employment, 2004-14 (2004 = 100). 5 states have 11% of US FTE ag employment of 1.2 million in 2014. WI up 40%, MI up 25%; AZ down 15%, GA & NC down 5%. Next: NY, PA, ID just under 2%. IA = 1.5%

