



# **Employee Development**

A Proven Educational Model Formal Apprenticeship: 4000 hours over two years

- > 3718 hours of on-farm employment and training based on DGA Training Guidelines
- > 288 hours of related instruction
  - Herd Health

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- Milk Quality
- Dairy Nutrition
- Pasture Management
- Farm Financial Management
- Holistic Management
- Peer Discussion Groups
- Business planning services







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		100		(b) If contacting a veterinarium is not reconcerp, determines and administer the reconcerp uni-face treatment (ex. common metabolic disorders).			
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Getting Started	ww.dga-national.org/Portal	80% ***	<b>ए द</b> र	earch		
Second Stated						
BRIDGET O'MEARA	MESSAGES / TASKS				DELI	ETE
staff	🖂 Master Assigned - Benjam	in		12-01-2017 8:18	B:41 am	0
	Profile Changed - Michael	Needs a Spotcheck		12-01-2017 3:00	):00 am	•
DASHBOARD	Apprentice Application St	ubmitted Notice - Jasc	n	11-30-2017 3:0	1:41 am	0
APPRENTICE APPLICATION	Apprentice Application St	ubmitted Notice - Cod	у	11-30-2017 3:03	1:41 am	۰
MASTER APPLICATION	Apprentice Hired - Willow	v Needs EC		∰ 11-27-2017 9:46	5:56 am	•
SEARCH USERS	Apprentice Hired - Teresa	Carter Needs EC		11-27-2017 9:40	5:07 am	•
ADD USER	Master Application Submi	itted Notice - Lyle		11-27-2017 3:00	):00 am	•
STAFF MAP	Master Application Submi	itted Notice - Matt		11-21-2017 3:00	):01 am	0
	Master Application Submi	itted Notice - Scott				0
MASTERS REPORTS	Easy Pointers to Improve	Potential for Apprent	iceship	08-09-2017 11:21	1:38 pm	•
APPRENTICE REPORTS						
EMAIL LISTS	STATUS					
COURSES TEMPLATE	EC	Pending	Approved	Paired	Total	
	Aaron de Long	1	5	5	11	





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Getting Started							
BRIDGET O'MEARA staff	PROFIL	E	<u>.</u>				
APPRENTICE APPLICATION							
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MASTER APPLICATION							
SEARCH USERS	Kelly						
ADD USER							
STAFF MAP	OJT HO	URS					
	Month	OJT Hours	Hourly Rate	Pay Schedule Compensation	Paid Wages	In-Kind Value	Master Teaching Hours
MASTERS REPORTS	2016-04	143.03	\$10.00	\$1430.30	\$1430.33	\$250.00	4
APPRENTICE REPORTS	<u>2016-05</u>	155.52	\$10.00	\$1555.20	\$155.31	\$250.00	4
EMAIL LISTS	2016-06	168.28	\$10.00	\$1682.80	\$1682.84	\$250.00	4
-	2016-07		\$10.00	\$1511.80	\$1511.83	\$25.00	4
COURSES TEMPLATE	2016-08		\$10.00	\$2151.50	\$2158.17	\$250.00	6
CMS	2016-09	171.01	\$10.00	\$1710.10	\$1710.17	\$250.00	4

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STAFF MAP	RELATI	ED INSTRUCTION							
MASTERS REPORTS	Semester	Course Title	Credits	Hours	Category	Graded	Required	Completed	Outcome
MASIEKS KEPUKIS	1	Dairy Nutrition Seminar	1	36	Formal	true	true	0	
APPRENTICE REPORTS	1 and 2	<u>Pasture-Based Dairy and Livestock</u> <u>Seminar</u>	3	45	Formal	true	true	0	
EMAIL LISTS	2	Dairy Health Seminar	1	36	Formal	true	true	0	
COURSES TEMPLATE	3	Farm Business Management	1	36	Formal	true	true	0	
	3	Milk Quality Seminar	1	36	Formal	true	true	0	
CMS	4	<u>Organic Soils, Nutrients, and</u> Composting	1	17	Formal	true	true	0	
BOARD RESOURCES	Varies	<u>Holistic Farming and Systems</u> Approach	0	16	Formal	false	true	16	Р
EDIT MY ACCOUNT	Monthly	Education Coordinator Farm Visits	0	24	Informal	false	true	4	
SENT MESSAGES	Varies	Discussion Groups/ Pasture Walks/Farming Conferences	0	42	Informal	false	true	4	
FORMS									
UPCOMING EVENTS								ADD CO	URSE
PARTICIPANT RESOURCES	FARM	10170						_	

### **Options for Farm Transfer/ Investment**

- Average age of dairy farmers in U.S. is 59 years old. What are their options for farm transfer?
- What are options for mid-career farmers seeking opportunities to expand and/or invest?
  - Milk-share Partnership
  - Spin-off Farm

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Transition of Ownership



# Apprentice Outcomes

- Acquired skills, knowledge, and experience to own and operate a managed-grazing dairy
- Networked with dairy industry and local professionals
- Access to opportunities to:
  - Earn equity in cattle

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- Enter into a business partnership
- Purchase a start-up farm
- Transition into ownership
- Manage a grazing-based dairy

\* DGA is an FSA educational provider



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Current Status of DGA
<ul> <li>140 approved Master Dairy Graziers in 11 states: Iowa, Maine, Massachusetts, Missouri, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Vermont, and Wisconsin.</li> </ul>
<ul> <li>43 active Master-Apprentice pairs, 16 Journey Dairy Graziers, and more than 200 Apprentice Candidates seeking to be hired.</li> </ul>
<ul> <li>Training manual, guidebooks, outreach materials.</li> </ul>
<ul> <li>Website with online applications and searchable database to facilitate Master-Apprentice matches.</li> </ul>
<ul> <li>Relationships with private investors.</li> </ul>
501(c)3 Non-Profit Status.



Projected	d Cur	nula	itive	Ou	tcon	nes	
DGA Accomplishments	Prior to 2018	2018 <sup>1</sup>	2019 <sup>1</sup>	20201	5 Years <sup>1</sup>	10 Years <sup>2</sup>	20 Years
Annual Graduates with Business Plans	16	10	16	26	66	316	903
Cumulative # of Journey Dairy Graziers	16	26	42	67	133	449	1349
Employed in management roles	7	11	18	29	58	196	590
Employed/Earning equity	1	2	3	4	8	28	84
Engaged in Farm Transfer	5	8	13	21	42	140	422
Engaged in Farm Start Up	2	3	5	8	17	56	169
Approved as DGA Master	1	2	3	4	8	28	84
Takes on own Apprentice		1	1	2	4	14	42
Training Farm for multiple Apprentices						1	2

<sup>1</sup>estimates are based on 60% growth in Apprentice numbers per year. <sup>2</sup>estimates are based on 30% growth in Apprentice numbers per year, <sup>3</sup>estimates are based on 10% growth in Apprentice numbers per year.

# Environmental and Economic Impacts

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Managed grazing dairy systems are the economic engines of communities even as they restore natural resources needed for long term productivity. *Each cow has annual impact of \$34,000 in economic activity in local community and, on 1.5 grazing acres, results in 2 ton reduction in soil loss with 8 lbs. reduction in phosphorus run-off per acre each year and a* 2.3 to 7.6% increase in total soil carbon

Fa	rm Type						
Apprentice		100 cows:	150 grazing	g acres			
Farm Trans	fer	100 cows:	150 grazing	g acres			
Start up Fa	rm	60 cows: 90 acres					
Manageme	ent	150 cows: 225 grazing acres					
Training Fa	rm	250 cows:	375 grazin	g acres	$\sim$	Near T	erm Impact
Three Year	Number of	Cows	Acres	Economic	Soil	Phosphorus	Carbon
Total	farmers			impact	Retained	retained	sequestered
Apprentice	40	4,000	6,000	\$136 mil.	12 K tons	96 K lb	6,840 tons
Management	29	4,350	6,525	\$148 mil.	13 K tons	104 K lb	7,439 tons
		2,100	3,150	\$71 mil.	6.3 K tons	50 K lb	3,591 tons
arm Transfer	21	2,100	3,130	<i>v · =</i> ······			-,
arm Transfer arm Startup	21 8	480	720	\$16 mil.	1.4 K tons	11.5 K lb	821 tons







🔰 DGA-NATIONAL.ORG	Contact
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