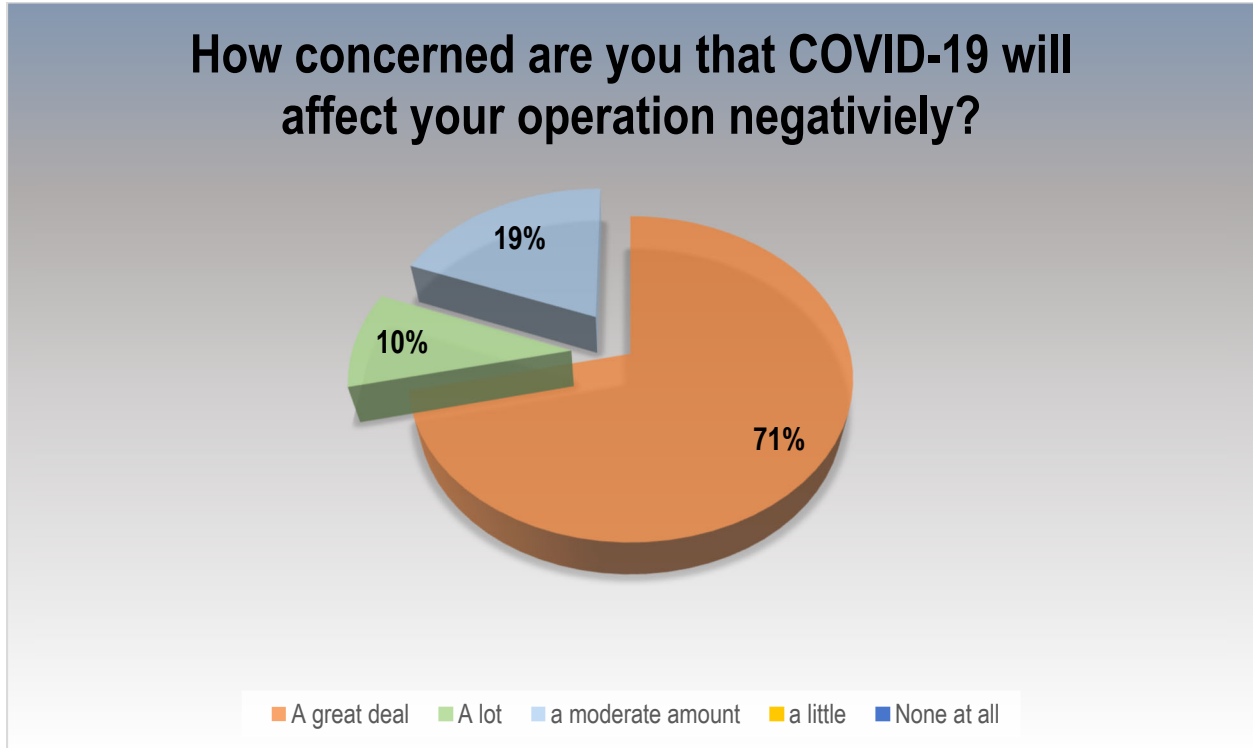


NC Farmer COVID-19 Survey: Collected from 3/21/2020 – 4/2/2020. 33 valid responses.

Surveyed group: Berry and Grape fruit producing farmers and related agro-tourism

Mark Hoffmann, Rania Hassan. NC State University.

Question 1: How concerned are you that COVID-19 will affect your operation negatively? (21 participants answered this question)

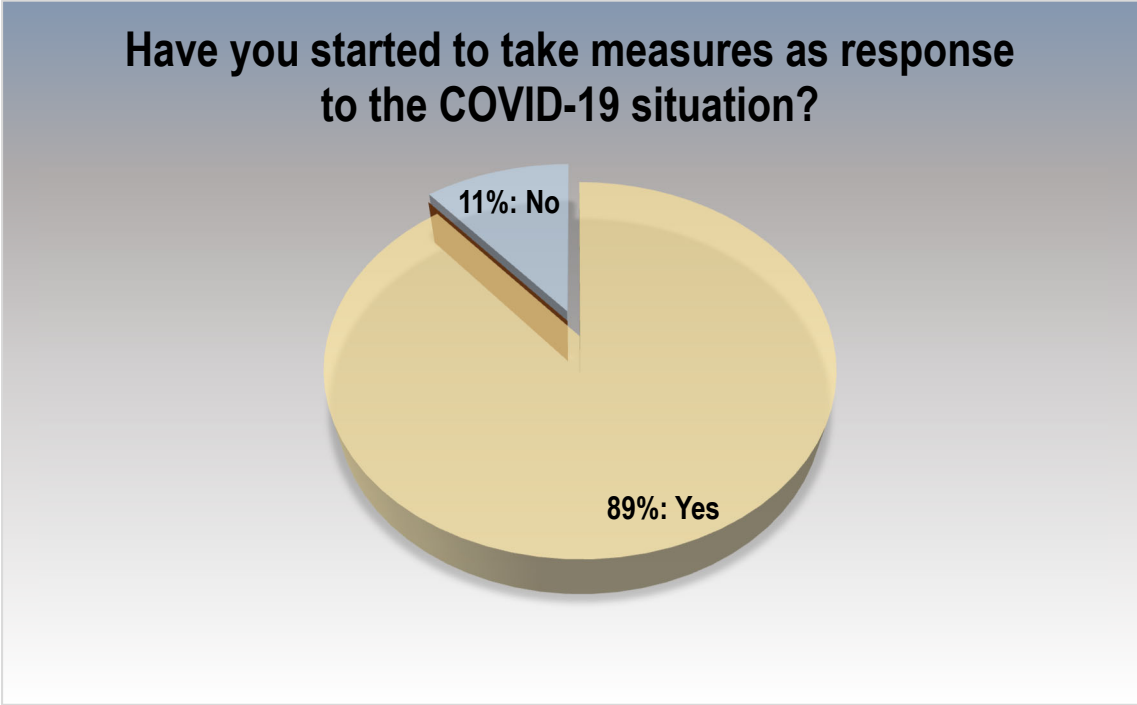


Answer	A great deal	A lot	A moderate amount	A little	None at all
Number or replies	15	2	4	0	0
Percentage (%)	71%	10%	19%	0%	0%

Summary:

The overwhelming majority of participants was highly (71%) or a lot (10%) concerned that the COVID-19 regulations will have a negative impact on their business (Q1).

Question 2: Have you started to take measures as response to the COVID-19 situation? (18 participants have answered this question)



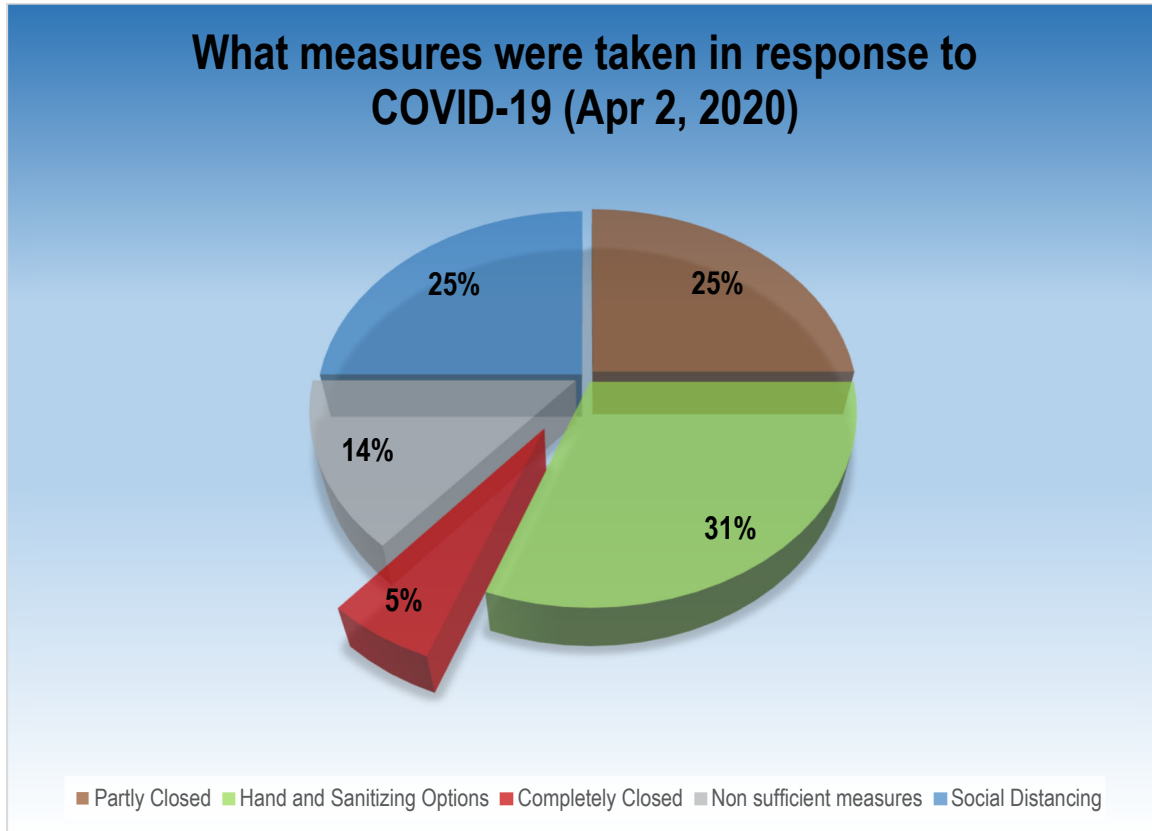
Answer	Yes	Maybe	No
Number of replies	16	0	2
Percentage (%)	89%	0%	11%

Summary:

When asked if measures were taken to respond to the COVID-19 situation, 89% of farmers replied with yes.

Q3-5: Businesses could answer with more than one answer. Number of valid replies vary between questions.

QUESTION 3: What are the measures are that you have taken or you think need to be taken?



Answer	Number of replies	Percentage (%)
<i>Completely Closed business</i>	2	5%
<i>Partly closed (take-out only/online service/curb side)</i>	9	25%
<i>Hand sanitizing, Gloves, Protection Masks</i>	11	31%
<i>Social Distancing of staff and customers</i>	9	25%
<i>Non-sufficient measures to mitigate the disease</i>	5	14%

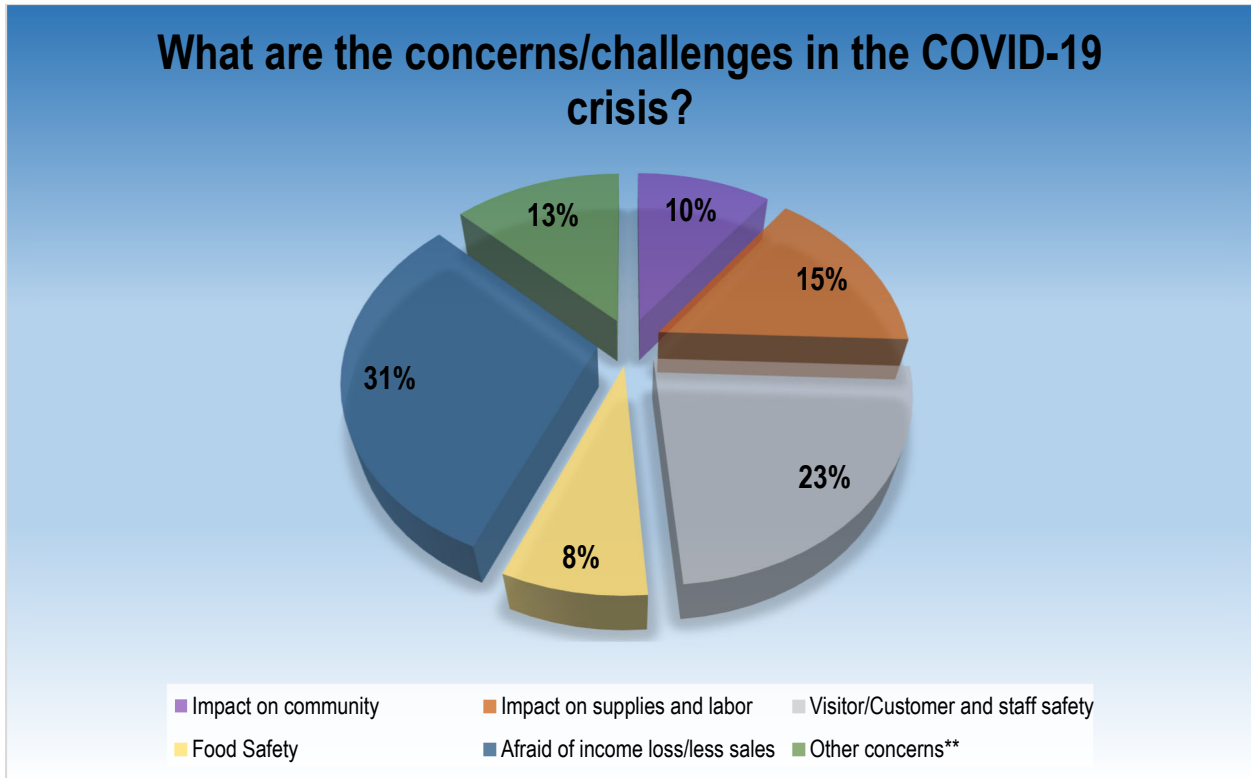
Summary:

When asked which measures were taken, two businesses had to close their doors completely. 25% of businesses had to reduce their operations to take-out only, online service, or curb side services, depending on type of operation. 31% of operations did implement a stricter use of hand sanitizing measures, gloves, protection masks and stocked up on those items. 25% of operations implemented social distancing measures, either between customers, employees or both.

However, 14% of farmers implemented measures that were non-sufficient to mitigate the disease. Restricting contact or travel of employees is not a sufficient measure to mitigate the spread of the virus.

Alarming were responses that implied to treat COVID-19 similar to the common flu. Such practice puts customers, employees and also yourself in danger. Despite other information available to you, **COVID-19 is NOT the common flu.** There is no vaccine and no medication for COVID-19. The current death rate related to COVID-19 rises exponentially, which means that on every given day, more people die from COVID-19 than the day before. All that is not the case with the common flu.

Question 4: What are the concerns/challenges you face in the COVID-19 Crisis?

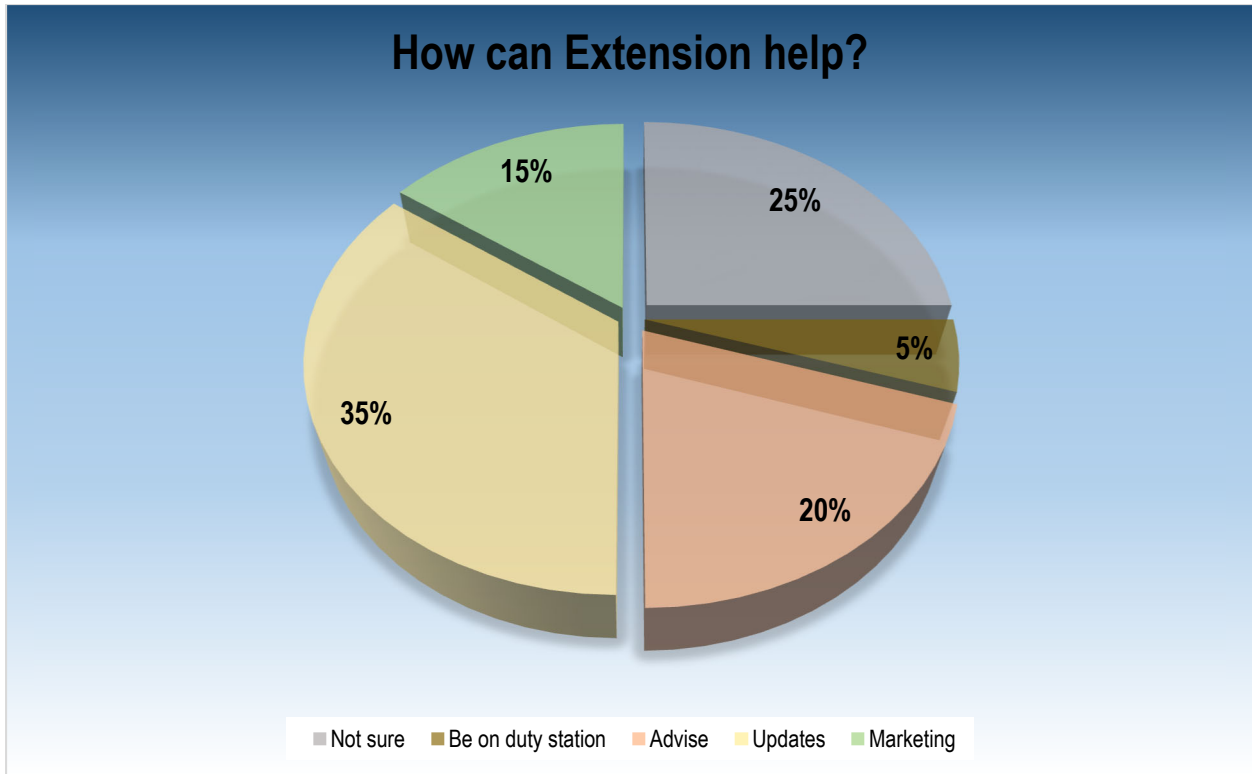


Answer	Number of replies	Percentage (%)
<i>Impact on community health</i>	4	10%
<i>Impact on supplies and labor availability</i>	6	15%
<i>Visitor, Customer and Staff Safety</i>	9	23%
<i>Food Safety</i>	3	8%
<i>Loss of income/reduced sales</i>	12	31%
<i>Other Concerns**</i>	5	13%

** Other Concerns:

- Consumer economy/financial health
- Uncertainty about duration of restrictions and economic impact
- Uncertainty about how to follow all guidelines
- Own age and pre-existing conditions of farmers
- Impact on services of land-grant institutions and state departments

Question 5: How do you expect extension to help you?



Answer	Number of replies	Percentage (%)
<i>Advise on best practices to keep operation safe and open</i>	4	20%
<i>Provide frequent Updates and information on situation</i>	7	35%
<i>Help to market products, changes in operation, to policy makers</i>	3	15%
<i>Be on duty station/in the field</i>	1	5%
<i>Not sure/no expectation</i>	5	25%