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Newu	nit-ba	ased needs as	sessmen	t quidance for	ANRE w	vill be part of an	n onboardi	ng packa	ae in process thi	rough the evaluation specialist's project for the Western

Extension Leadership Development program. A new slate of members was recruited for the statewide advisory council. Leadership changed meeting invitations to be shared with the unit, which has improved connections with the Communications team.

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IANRE has made improvements to making all reasonable e orts in raising awareness about its educational resources to a wide variety of Alaskans. IANRE **iAll highstored** time in FY21 to Instagram to reach a younger demographic, as insights from our Facebook indicate that the majority of our audience on that platform is in the 40+ range. IANRE also used paid promotion for relevant videos because YouTube has risen to the top of the market in terms of the social media platform with **see** DU PG DD HOT 100 VIII to the top of the market in terms of the social media platform with **the mostiregan**. IANRE's in-house editor also began submitting content to Alaska Puahf%alt/auid yh c onc oCdvsu

participate in STEMactivities during out-of-school time, and twice as likely to make healthier choices. Participant feedback so far shows the activities are fun and easy to do, and that campers gain valuable knowledge as a result of the at-home 4-H camp experience. One camper said, "The kits were a good way to bring the family together and learn about the environment around us. They were a lot of fun."

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4-H made e orts to keep youth connected with caring adults at a regional level throughout the pandemic.

agronomic and economic standpoint. High value agronomic niche crops such as malting and hull-less barleys and oilseeds like canola, mustards, camelina, and dwarf sunflowers have been shown to have agronomic potential for Alaska (Van Veldhuizen and Knight 2004\*, Geier 2006).

\*1. Van Veldhuizen, R. M and Knight C. W., 2004. Performance of Agronomic Crop Varieties in Alaska 1978–2002. AFES Bulletin 111. Agricultural and Forestry Experiment Station, University of Alaska Fairbanks, Fairbanks, AK.

\*\*2 Geier, H. 2006. Canola Quality in Alaska, 2004 and 2005 Harvests. Research Progress Report No. 47. Alaska Agricultural and Forestry Experiment Station, University of Alaska Fairbanks, Fairbanks, AK.

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Average yields for all spring grain and oilseed varieties at the Fairbanks (FBKS) and Palmer (PAL) locations were about equal to the standard test varieties. Significant judiogress in 2021 included the findings of potential good varieties of two-row barley which were chosen for malting and the standard test varieties in aicom a grain aboratory. The selected canola reached maturity uniformly. Simulation of weather impacts on small grains grown in Alaska was conducted and results were published in journal.

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In 2021, *Pytium* sp. was found for the first time in waters and soils on peony farms. It was a major causal agent resulting in the death of peony seedlings and the rootstocks su ered from an unseasonal hard freeze in late spring.

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(Objective 4)

In 2021, the number of collaborator farms increased from one in 2020 to six. An e ective Botrytis treatment schedule was devicellaboration peony farms.

## B b a a b

This project will help peony farmers in Alaska to grow healthy plants and produce high quality corresponsible means of disease control.

Mlestones accomplished so far that will benefit peony farmers include:

1) Discovery of cold adapted, biological control Bacillus spp.

2) Discovery of Pythium spp. as a possible causal agent of Pe

3) Improvement of Plant Helper treatment plan.

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J.H. McBeath, H. McKee, ap

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The rhodiola (*Rhodiola* spp) is a perennial, herbaceous, high-valued medicinal plant. The roots of rhodiola are in high demand because it is reputed to be e ective as an adaptogen (rhodiola tincture is used as an anti-depressant

The 16 hour day length was used to ensure appro

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Each cultivar was evaluated

In addition to the highlighted activity in Juneau, the Palmer-based agent o ered multiple educational opportunities for Alaskans to learn about food safety and proper preservation methods. Alaska Extension built food industry capacity through o ering Certified Food P

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Alaska, per capita, has one of the fastest-growing population of seniors in the nation, and the state expects the number of seniors to double in the next 30 years. Alaska has more Baby Boomers as a percent of the population than any of the contiguous states, according to a 2015 News-Mner article. All of Alaska is considered

were to visit. The focus group script was designed for the Bureau of Land Management, to use in their Resource Management Plan development process, but it could be applied to other contexts.

And Other Instruments or Equipment: Refinements were made to a survey developed for the Bureau of Land Management. The survey is intended to by used across all BLM-managed areas, and assess outcomes associated with recreat

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