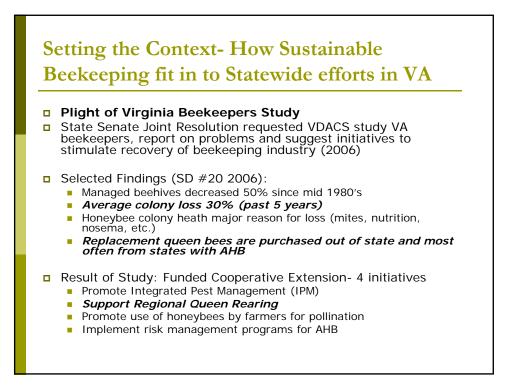


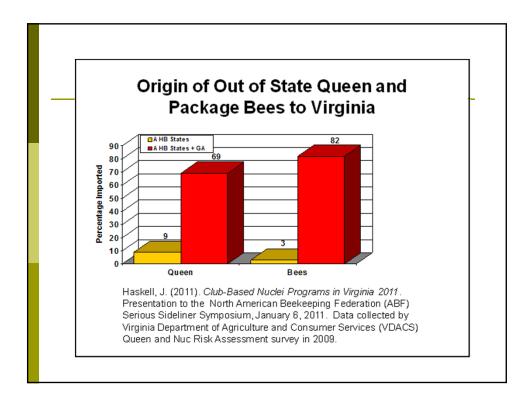
Prince William Regional Beekeepers (PWRBA)- "The little club that could..."



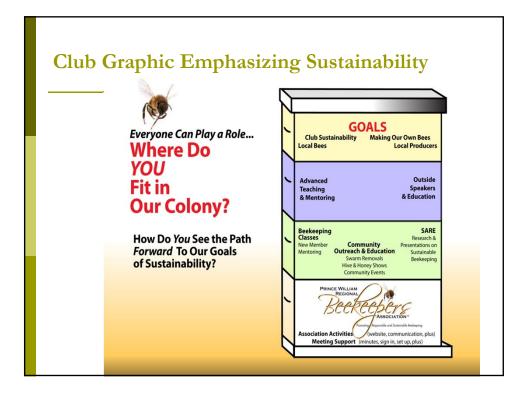












How did we get there?

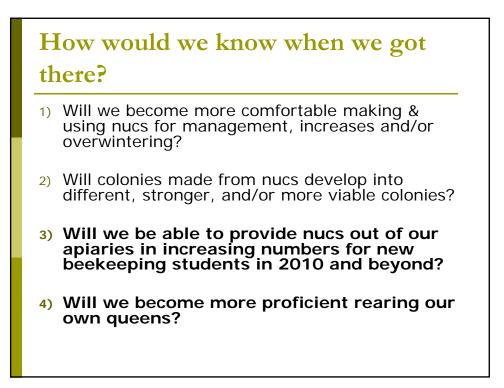
- SARE Producer Grant
- Competitive grants (\$1,000 -\$15,000) to conduct *research*, marketing and demonstration projects and share the results with other farmers and ranchers.
- Part of USDA, Cooperative *Research*, Education, and Extension Service (CREES)
- (2009) Promoting Sustainable Beekeeping Practices through local production of nucs (nucleus colonies) and local queen honeybees

- Specialty Crop Block Grant Program (SCBGP)
- To enhance the competitiveness of specialty crops
- Applications combined through State (VDACS)
- "Development " Funds?
- (2012) Prince William Regional Beekeepers Queen Rearing Group

What did we set out to do?

(Objectives)

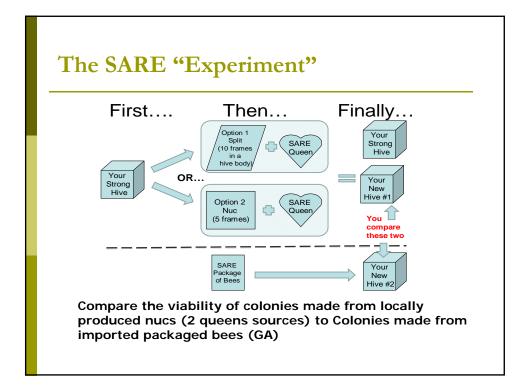
- Increase the knowledge & skill of local beekeepers in producing nucleus colonies (nucs) from existing hives & test the viability of hives made from locally produced nucs to those made from packaged bees
- Engage in the study of queen rearing & initiate local queen rearing efforts (SARE) & Establish queen rearing operations and track performance (SCGP).
- Promote sustainable beekeeping practices overall by emphasizing integrated pest management (IPM) in educational & outreach

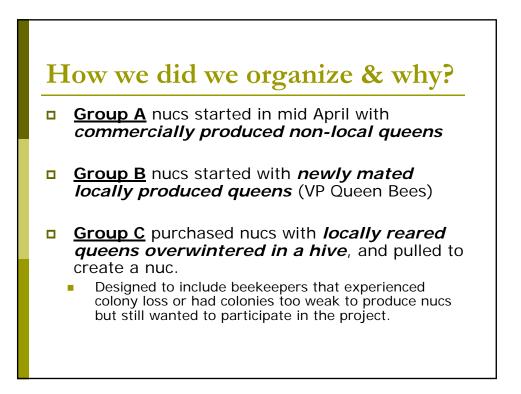






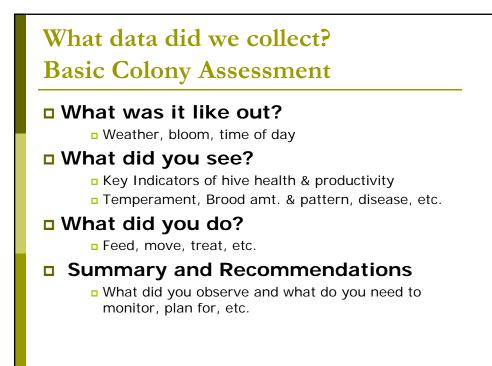
Activities		
2) 3) 4) 5) 6)	Pilot Project The "experiment" - Compared Colonies started from Nucs to colonies started from Packaged bees Added Task: Overwintered Nucs Queen Rearing Tracking Queen/Colony Performance Educational Programs Outreach	







Education Programs & Field Days (2008-2011)1. The Sustainable Apiary (Overwintered Nucs) (2011) Comparison of Honey Bee Colony Strength & Survivability between Nuc & Package Started Colonies & Practical Backyard Queen Rearing – Our "Sister SARE Project" (2011) 3. Nucs Nuts and Bolts (2011) 4. Nucology Expanded (2010) 5. Overwintered Nucs (2010) 6. Queen Rearing Basics (2010) 7. Installing Nucs Field Day (2010) 8. Overwintered Nuc Survival Assessment Field Day (2010) 9. Making Nucs- How To (2x) (2009) 10. Queen Rearing Class and Field Day (2009) 11. Transferring overwintered nucs into full hives Field Day (2009) 12. The Plight of Virginia Beekeepers Study and VA Sustainability Efforts with VA State Apiarist (2009) 13.Nuc Management (2009) 14. Queen Rearing Class and Field Day (2008) 15. Introduction to the PWRBA SARE grant (2008)



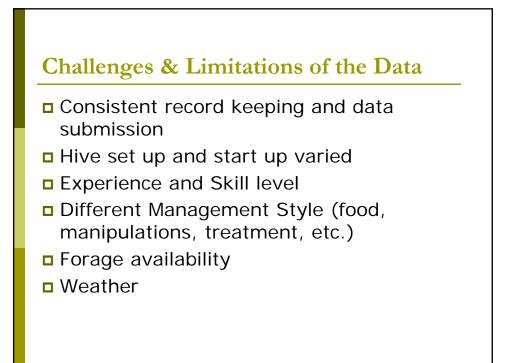
	did the expe Year Surviva		nt turn out?
Pac	kage Started Hive	Nuc	Started Hive
Pkg. n = 22	Pkg Hive survival 2009/2010	Nuc n = 23	Nuc Hive survival 2009/2010
Α	8	Α	7
В	4	В	7
С	3	С	5
Total	15	Total	19
	68%		83%

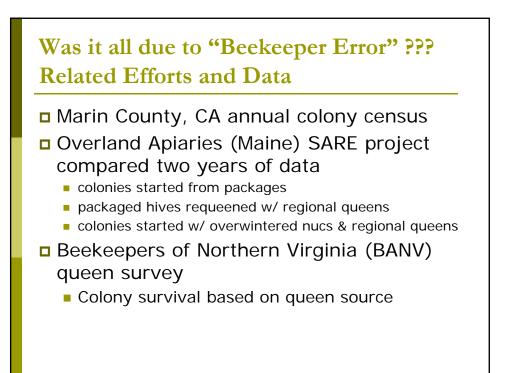
Second Year Survival

(YEAR 2 S of those that s		
Package Started Hive		Nuc Started Hive	
Pkg. n = 22	Pkg Hive survival 10/11	Nuc n = 23	Nuc Hive survival 10/11
Α	4	Α	6
В	2	В	6
С	0	С	2
Total	6	Total	14
	40%		74%

				ival	
Package Started			Nue	c Started	l Hive
Hive					
Pkg.	Pkg	Pkg	Nuc	Nuc	Nuc
n = 22	Hive	Hive	n = 23	Hive	Hive
	survival	survival		survival	survival
	09/10	10/11		09/10	10/11
Α	8	4	Α	7	6
В	4	2	В	7	6
С	3	0	С	5	2
Total	15	6	Total	19	14
	68%	40%		83%	74%

Overwintered Nucs Success PWRBA Sustainable Agriculture Research and Education (SARE) Grant - Added Task: Overwintered Nucs				
Year	2008/2009	2009/2010		
Goal	Successfully overwinter nucs in 2008 and provide nucs for new beekeepers and/or bee club members in Spring 2009	Successfully overwinter nucs in 2009 and provide nucs for new beekeepers and/or bee club members in Spring 2010		
Queen Source	Locally produced queens from VP Queen Bees	Locally produced queens- VP Queen Bees & SARE Queen project		
Number of participants	5	5		
Nucs Produced	10	34		
Nuc Survived	8 (80% survival)	26 (75% survival)		
Nucs made available to others	4	19		











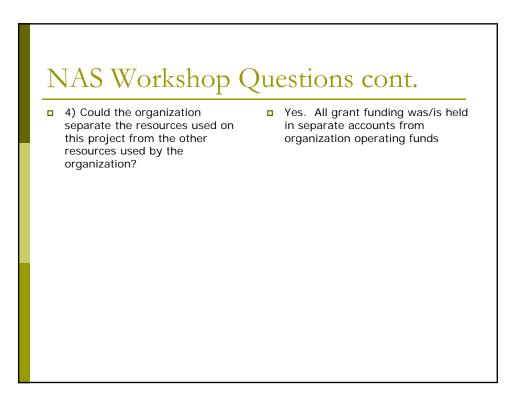
Put beekeeping with nucs on the "big stage"-Part of Agriculture/The New "Normal"





NAS Workshop Questions

- 1) If your organization received a survey asking whether it did research and development, would the organization report on your research project?
- 2) Have you done other research?
- 3) Do you call it a research project or use different language?
- Yes/No/Maybe- depends who receives the survey and if they share it broadly.
 - Core Group YES
- Not other research but "development" work
- R in SARE = Research, but most identified with "Experiment" "Test " "Study" or "Project" (similar in other agricultural pursuits)
 - Not strict research, but included data collection
 - Had a hypothesis, data, results, published
 - Created new knowledge in group to enable product delivery



What do I think?

Never doubt that a small group of thoughtful, committed, citizens can change the world. Indeed, it is the only thing that ever has." Margaret Mead