

state major program: ipm/bc

Survey of Florida County Extension IPM/BC Needs



UNIVERSITY OF
FLORIDA

Institute of Food and Agricultural Sciences

March 2002

.....

Survey of Florida County Extension IPM/BC Needs

March 2002

Introduction

In February 2002, the state major program in IPM and biological control distributed a survey to all county extension faculty. The purpose of the survey was two-fold:

- 1) to query county faculty on their IPM and biological control related felt needs and prioritize the activities of the SMP accordingly
- 2) to establish and encourage relationships between the SMP extension specialists and county extension.

The survey was distributed via e-mail listserv [EXT-DISTRICTS-ALL-L] to 346 county extension faculty members. Twenty-nine (29) surveys were returned (a thirtieth was returned after this document was already near completion). Following are the questions and the answers taken from the survey and responses.

Table of Contents

Introduction-----	2
Table of Contents-----	2
Questions / Responses-----	3
Priorities-----	18
Survey respondents-----	19

Questions / Responses

1. Do you need educational materials for talks to clientele groups, i.e., flip charts, slide sets, videos, and evaluation instruments? (Please give specific examples in answering every question.)

Trends:

PowerPoint presentations – 14 (48%)

Video – 7 (24%)

Slide sets – 6 (21%)

Respondent	Response
1jb	
2gb	Yes, Powerpoint on IPM for nursery, vegetables, fruits
3bb	Videos and slide sets would help the most
4pb	Yes, I feel this is important info for homeowners - they need also to know how to choose a lawn care co that utilizes IPM
5dc	Samples (preserved or mounted) of insects for use at public events
6pd	Power points for PCO's and other license holders in the lawn and ornamental category; landscape maintenance companies; county govt departments. Brochure that landscape business can use to sell IPM (like a "check off" list of what IPM business do)
7md	Yes, all of the above would be good. Also Powerpoint presentations.
8lh	Power Point presentation; edis pubs
9jh	Power Point presentations & pre- and post-surveys
10mh	Slide set, videos on IPM in landscapes, IPM portable displays
11ah	Need a video or powerpoint on IPM in the homeowner landscape
12bi	Instruction materials in powerpoint or slide sets that illustrate IPM would be very helpful. Materials should be appropriate for homeowners, master gardeners and for landscape professionals. I teach a class for county parks maintenance personnel, their needs are very different from homeowners.
13rj	Flip charts, videos, CD's. An professional evaluation would be terrific.
14ml	I would like slide sets, preferably in Powerpoint to help with presentations to clientele. Videos would be a second choice.
15jm	Yes. Videos & slide sets for veg. IPM techniques
16wm	Yes, slide sets especially
17em	Yes - especially power point, slide sets, videos
18fm	Evaluation instruments for classes about scouting or biocontrol
19lm	Yes, and although its difficult to get educational materials out quickly, everyone wants to know about NEW pest problems, IPOM tools, etc... My clientele group is commercial plant producers, primarily woody ornamental producers.
20an	Yes
21co	Any AV material will be helpful
22spb	We have good info for homeowners (i.e. "IPM in the Lawn and Landscape," "Beneficial Organisms," and "Mistaken Identities," (although these are all slide sets which could use an update and conversion to Power Point).
23jr	Very much. All of the above. Provide answers to What? How? Resources? Effects? \$ and Time
24ss	Yes, everything listed would be great as well as any other hands on models or specimens too.
25ms	Yes...programs for home gardeners, commercial nurserymen, and forage producers could be utilized, Powerpoint would be best along with videos.
26jv	Yes, all the them
27ww	Yes, ppt presentations are very helpful
28lw	See answer to #7 below
29rz	Power points/slides

•
•
•
•

2. Can we provide support in establishing or improving an IPM/BC program for your clientele, i.e., collaborators, evaluation instruments, consultation?	
Trends:	
Evaluation instruments – 12 (41%)	
Respondent	Response
1jb	Not yet
2gb	Yes, help develop evaluation instruments
3bb	Evaluation instruments are Key
4pb	Propably - especially items circled (evaluation instruments, consultation
5dc	
6pd	Yes - evaluation tools are needed. The brochure I mentioned above.
7md	Yes
8lh	Yes - biorational control recommendations on gardens, fruit, commercial crops
9jh	Not necessary, as I deal primarily with homeowners
10mh	Product testing program urgently needed
11ah	Develop a program for homeowners
12bi	Possibly. I am trying to get the county interested in using more biological controls, to include nematodes for mole crickets. If the interest if there, I will need help.
13rj	Homeowner scouting, evaluation instrument
14ml	An IPM/BC program for specific areas such as Natural Areas Management, Right-of-Way & Aquatics that are tied to RUP certification would be very beneficial. This clientele group is one which only receives scattered attention from agents, mostly because we don't have much to give them.
15jm	Yes - consultation & eval. Instruments (i.e. survey design)
16wm	Yes, we need funding.
17em	Yes - easy to use evaluation instruments are critical in helping to convince clientele of the benefits of IPM/BC
18fm	Evaluation instruments
19lm	Yes, I think that perhaps a student scout/intern program would be well received. The primary reason for lack of adoption is the difficulty of training and dedicating personnel to scouting
20an	Collaborating materials to inform & demo info.
21co	Master gardeners & Nursery primary clientele
22spb	Wish we could set up some kind of reporting system statewide that would alert pest control companies and homeowners as to the seasonal occurences of pests.
23jr	N/A homeowner based clientele
24ss	I work with homeowners so BC methods like rearing beneficials at home would be great
25ms	A network approach could be used to provide support where needed, ie: evaluations
26jv	Yes
27ww	Yes & you have
28lw	Evaluation instruments may be helpful
29rz	[circled] evaluation instruments

3. Can we support you in designing a pest and natural enemy scouting system for specific clientele, i.e., collaborators, monitoring techniques, consultation?

Trends:

No – 5 (17%)

Yes - 22 (76%) [of these, 7 specifically mentioned homeowners, landscape companies, or ornamental production]

Respondent	Response
1jb	Not yet
2gb	Yes, ornamental nursery, blueberries, peaches, blackberries
3bb	
4pb	Would love to have help training homeowners to scout.
5dc	Yes - how well do Bigeyed Bugs work on Chinch Bugs in St. Augustine lawns
6pd	Yes - for landscape maintenance businesses as pilot project collaborators, monitoring techniques. On grounds of local hospital?
7md	Yes
8lh	
9jh	If it is in the form of a Power Point
10mh	Only if <u>SIMPLE</u> . Scouting kit would be great!
11ah	For homeowners
12bi	Not at this time, unless you can develop something for homeowners. A commercial program would be a good idea. Perhaps it could be a powerpoint, slide show or video that could be used to teach a class if needed.
13rj	User friendly monitoring techniques
14ml	There may be some interest in scouting on the part of commercial producers as well as the groups mentioned above.
15jm	Yes - scouting calendars - when to scout for what, etc.
16wm	Yes
17em	Yes - this would be great if combined with/offered as a vegetable scouting workshop for growers etc.`
18fm	Consultation
19lm	The system design in Commercial Ornamental Nursery Scouting Manual is just fine, thanks.
20an	Monitoring cycad scale.
21co	Prickly pear cactus control in pasture
22spb	Ditto above
23jr	N/A
24ss	No
25ms	Possibly for the nursery industry in our area
26jv	Ys
27ww	Yes
28lw	Yes. It may be interesting to work with Master Gardeners on this.
29rz	Not at this time

•
•
•
•
•

4. Would you like to have IPM/BC options added to Florida pest management guides, i.e., biorationals, microbials, natural enemies, selection criteria?

Trends:
Yes – 27 (93%)

Respondent	Response
1jb	Yes
2gb	Yes, should be listed if effective
3bb	Yes
4pb	Yes!!!
5dc	Yes, especially home landscape issues
6pd	Yes, but only if they are readily available on the market; and if efficacy information is available
7md	Yes
8lh	Yes! Emphatically
9jh	Yes
10mh	Absolutely. Also rank pesticides via IPM criteria!
11ah	Absolutely (for homeowner publications, these strategies should be emphasized prominently!)
12bi	Yes. We should be encouraging IMP/BC at all levels and in all of our publications. I spend much time on this area with master gardeners and with the county personnel.
13rj	Absolutely, especially if they are suited for our local climate (North Florida, Coastal regions)
14ml	Definitely
15jm	Yes to all
16wm	Yes, all of the above
17em	Yes - there is a great deal of hype and misinformation - we need to be able to evaluate efficacy etc.
18fm	Yes
19lm	Yes, that would be a great addition to the guides.
20an	Yes, many clients, homeowners/nursery growers want alternatives
21co	Yes
22spb	Yes, always!
23jr	Yes, it should be an option and educated
24ss	Yes, yes & yes!!
25ms	Yes, this should have already been done.
26jv	Yes
27ww	Definitely
28lw	Yes
29rz	Yes

5. Do you need current information on pesticide availability and use for your clientele, i.e., chemicals registered for use on specific crops or urban sites?

Trends:
 No – 3 (10%)
 Yes – 25 (86%)
 Unsure – 1 (3%)

Respondent	Response
1jb	Neisheim already helps with this
2gb	Yes, need ornamental disease recommendation update
3bb	Yes, lots of info needed on pesticide and there use with livestock
4pb	Yes - also biorational alternatives
5dc	Yes - you are already doing a good job with this.
6pd	Yes - on the "soft" products, such as Neem oil, sesame (?) oil and others.
7md	Yes. I could always use more info to support my programs.
8lh	Better on timber, right-aways, industrial sites crop coverage in most crops adequate
9jh	No. We strongly encourage our clientele <u>not</u> to use pesticides.
10mh	Yes - the least toxic effective ones
11ah	Absolutely (for homeowners). Which products work (there are many untested products on the shelves)
12bi	Yes! So many pesticides are going off the market. We need up-to-date reliable information on what is still available and what is coming. This is particularly true for homeowners with the loss of Dursban and Diazinon.
13rj	Homeowners, urban sites.
14ml	The information for my primary clientele, commercial vegetable growers, is finally pretty good - as long as the Vegetable Production Guide is updated on a yearly or every 18 month basis.
15jm	Yes - esp. for vegetable updates
16wm	Yes
17em	Yes - although the IFAS pest control manuals are useful in this regard rapid changes cause them to be outdated quickly - possibly an on-line resource updated frequently
18fm	Yes
19lm	Yes especially availability information.
20an	Yes, what can be used for borers?
21co	Yes - hay/forage crops - legumes
22spb	We need an on-line, accurate, up-dated as needed site for this.
23jr	N/A
24ss	Yes, for urban sites.
25ms	Yes...ASAP
26jv	Yes
27ww	Yest, the consumer knows more about what is on the shelves at home depot, than our pest management guides
28lw	Yes. It would be very helpful if Pest Management Guides were updated at least on a yearly basis.
29rz	Yes

•
•
•
•

6. Do you want support for IPM/BC in-service training, i.e., scouting and identification of natural enemies, principles of IPM/BC, current IPM/BC projects in Florida?

Trends:
Not sure – 2 (7%)
Yes - 22 (76%)

Respondent	Response
1jb	
2gb	Need training for all of above
3bb	Can't hurt
4pb	Would be great - especially for Master Gardening Training
5dc	I need a Florida-based field ID booklet on spiders
6pd	Yes - I would attend
7md	Yes. I am interested in learning more about IPM/BC projects
8lh	I'm willing to assist by training on DDIS
9jh	Sure.
10mh	Yes & training for Industry & MG's
11ah	Not for me since I'm an entomologist who has specialized in Biocontrol research.
12bi	Yes. There is so much change in pest control and so much new information coming out on IPM/BC that inservice would be helpful.
13rj	It is done to some degree in Master Gardener Training, but a good program for homeowners would be useful
14ml	Yes, especially scouting & ID as well as current projects.
15jm	Yes - an in-service covering these tactics would be great
16wm	Yes
17em	Yes - would like to be able to offer hand-on classes to veg producers and scouts
18fm	Current project information
19lm	Absolutely!
20an	Yes, scouting & identification - available to agents/clients
21co	Yes
22spb	If there is anything new in the lawn and landscape area.
23jr	Yes, for urban settings
24ss	Yes, all these would be great plus, ways to rear beneficials like ladybugs, green lacewings & the predatory mite for homeowners (I thought Lance Osborn, at Apopka) was working on this a couple of years ago but I never heard anything about it.
25ms	Yes
26jv	Yes
27ww	Yes.
28lw	Yes.
29rz	Yes [circled] in-service training

7. What kinds of IPM/BC information do you need, i.e., Web based materials, publications, photographs, displays?	
Trends: Photos – 14 (48%) Web-based materials – 11 (38%) Publications - 9 (31%) Displays – 5 (17%)	
Respondent	Response
1jb	I develop/modify my own. Maybe CD materials, jpg's I can manipulate
2gb	Publications and photos webbased
3bb	Web based, Photos, work the best IMO
4pb	All!
5dc	Continue current methods - the mix is perfect. Work on more Featured Creatures
6pd	Web based materials, pubs, photos
7md	Displays for field days and other events. Digital photos or slides.
8lh	Power point presentations
9jh	Web-based would be useful
10mh	Web based, Photos, 3dimensional little models, school stuff for kids
11ah	Information for homeowners (I have plenty of pictures on most natural enemies)
12bi	Publications suitable for homeowners and pictures that could be included as part of extension displays.
13rj	Web based materials would be good for me, but photos and publications could be used in programs for homeowners
14ml	All of the above and others we probably haven't thought of yet. We need to be moving forward in the area before someone else does.
15jm	Scouting manuals & posters w/ pest/beneficial i.d.
16wm	Photographs, maybe publications
17em	All of the above - I am particularly interested in materials that can be incorporated into my newsletters.
18fm	
19lm	I like to use web-based materials and greatly appreciate lots of photographs.
20an	All of them, especially photos to build ppt presentations
21co	Web based & pubs
22spb	See above.
23jr	General pub for homeowners w/ photos and companies to purchase beneficals
24ss	Power point program, photographs, displays, specimens in resing (like paperweights) one of my Master Gardeners has been preserving insects (and I already have a number of beneficals) in resin for me. This is one step above photographs.
25ms	General information which could be incorporated into local programming.
26jv	All of them.
27ww	Publications - an idea of "rates." IE "how many lady bugs on a severe infestation on x plants
28lw	Displays, posters or individual laminated pictures that could be attached to a display board would be helpful. Also a Power Point presentation would be useful for trainings for Master Gardeners, homeowners, growers, etc.
29rz	[circled] Web based materials

•
•
•
•
•

8. Would you be interested in collaborating on IPM/BC demonstration projects, i.e., natural enemy releases, IPM/BC study projects for Master Gardeners?

Trends:
No – 2 (7%)
Maybe – 3 (10%)
Yes – 24 (83%)

Respondent	Response
1jb	Yes
2gb	Yes, already are
3bb	No
4pb	Yes
5dc	Yes - Have already worked with FDACS on 2 predator releases on ornamentals
6pd	I do not work with Master Gardeners - but landscape maintenance companies - how about a local company on hospital grounds
7md	Yes
8lh	Yes - rerelease Carol-Lee Boyles/Sprenkel IPM Primer
9jh	Maybe--depends on the organisms & time involved
10mh	Yes. We are already on mole cricket nematode & fire ant decapativity fly
11ah	Yes!
12bi	Yes. Several master gardeners would be interested in taking part in that sort of study.
13rj	Yes.
14ml	Yes, if it's appropriate for an area in which I work.
15jm	Yes - but more interested w/ commercial producers
16wm	Yes, definitely. Our Master Gardeners have a vegetable garden at Sumter Youth Center.
17em	Yes - although recent experiences with releases in veg crops have been disappointing.
18fm	Yes
19lm	Sure.
20an	Yes, we are currently designing a discovery garden
21co	Yes
22spb	Maybe, if MGs were willing to help.
23jr	Definitely w/ MG's
24ss	Yes
25ms	Yes...depending on the project and timeline
26jv	Yes
27ww	Yes.
28lw	Yes.
29rz	Not at this time - need to know more about it

9. Do you need consultation on IPM/BC related questions, i.e., pesticide compatibility with natural enemies, companion plants, genetically modified crops, IPM certification, specific pest or disease problems?

Trends:

No – 5 (17%)

Yes – 24 (83%)

Respondent	Response
1jb	No
2gb	Yes, those underlined (pesticide compatibility with natural enemies, IPM certification, specific pest or disease problems)
3bb	No
4pb	Yes
5dc	Not now - probably later.
6pd	Yes - pesticide compatibility with natural enemies for landscape situations.
7md	The more info the better. I try to stay current in agronomic crop IPM.
8lh	[circled] pesticide compatibility with natural enemies
9jh	Companion plants
10mh	Yes
11ah	Yes [circled] pesticide compatibility with natural enemies, companion plants
12bi	At the moment, I could use some information on IPM certifications.
13rj	Yes
14ml	Pesticide compatibility = yes, IPM certification = yes, some of the others = no
15jm	Yes to all
16wm	No
17em	Yes - especially pesticide compatibility and info on vegetable pests and diseases.
18fm	Pesticide compatibility with natural enemies, companion plants
19lm	Yes - ideally through rapid response email.
20an	Yes, I can always learn more
21co	Sometimes - not routinely
22spb	It would be great to know which pest control companies offer an IPM option
23jr	No, not now but would conclude it could be needed later as IPM is taught
24ss	I'm interested in info. on companion plants.
25ms	Would be good to have available.
26jv	Yes
27ww	That would be helpful - [also circled] specific pest or disease problems
28lw	Yes.
29rz	Yes

•
•
•
•
•

10. Would you be interested in collaborating on grants to implement IPM/BC, i.e., Southern Region IPM, SARE (Sustainable Agriculture Research and Education), T-STAR (Tropical/Subtropical Agriculture Research)?

Trends:
No – 4 (14%)
Maybe – 8 (28%)
Yes – 17 (59%)

Respondent	Response
1jb	Yes
2gb	Yes
3bb	No
4pb	I would be interested - but Agriculture is not my fort�
5dc	Maybe - you write, I spend! (Is that the way it works?) (Be glad to help.)
6pd	Yes - as it pertains to urban commercial clientele I work with (not producers or growers).
7md	Yes.
8lh	Yes
9jh	Probably not at this time.
10mh	Yes
11ah	Possibly (T-STAR)
12bi	Possibly
13rj	Yes
14ml	Yes
15jm	Yes I would
16wm	Possibly
17em	Yes
18fm	Yes
19lm	Yes.
20an	Yes, any that might apply to needs
21co	Maybe
22spb	Maybe.
23jr	No
24ss	Sure if it is useful for homeowners
25ms	Yes...have utilized SARE, have a request in currently.
26jv	Yes, But I don't know how to apply or write a grant.
27ww	Yes.
28lw	Maybe.
29rz	Not at this time

11. Do you want increased IPM networking opportunities within Florida, the Southeast, and the U.S., i.e., contact with crop consultants, specific researchers and extension specialists, pesticide suppliers, natural enemy producers and suppliers?

Trends:

No – 3 (10%)

Yes – 26 (90%)

Respondent	Response
1jb	Yes
2gb	Yes
3bb	Sure
4pb	Yes [circled] extension specialists, natural enemy producers and suppliers
5dc	I've developed a good relationship with Entomos. Are there others?? [also circled] natural enemy producers and suppliers
6pd	Yes - any BC suppliers for landscapes?
7md	Yes. I have some contact with consultants and specialists for agronomic crops but could use more.
8lh	Yes, without creating a cumbersome institutional environment. Not another committee that takes time but turns out little work
9jh	Probably not necessary
10mh	Yes
11ah	Yes [circled] natural enemy producers and suppliers
12bi	Yes. The more information and resources available the better. Information on suppliers of beneficial organisms would be very helpful, particularly if the suppliers are in Florida or the Southeast.
13rj	I need something for North Florida
14ml	The more the merrier and the more likely it is to be adopted.
15jm	Yes to all
16wm	Yes, it's needed
17em	Yes
18fm	Yes
19lm	Por supuesto [Spanish for 'of course']
20an	Yes, producers & suppliers - input from IFAS - are they working?
21co	Yes.
22spb	Could be useful.
23jr	Yes but does not apply to me w/ commercial businesses. I do see a need communicating amount of beneficials sold/released in FL. Is too many a concern?
24ss	Definitely!
25ms	Yes, this could be a key aspect of the program.
26jv	Yes
27ww	Yes.
28lw	The Web site seems to provide this opportunity.
29rz	Not at this time

⋮

12. Do you need a structure for measuring the adoption and benefits of IPM, i.e., record keeping, economics, and environmental protection?	
Trends:	
Yes – 23 (79%) [of these, 4 people specified assessment/measuring/survey instruments, and 4 specified record keeping]	
Not sure – 3 (10%)	
Respondent	Response
1jb	For FAS report, impact [circled] structure for measuring the adoption and benefits of IPM
2gb	Yes, need good measuring tool
3bb	Yes
4pb	That would be wonderful.
5dc	I could use an assessment tool for measuring effect of Bigeyed bugs on turf.
6pd	Yes - record keeping and costs.
7md	Have developed some over the years but always open for new ideas.
8lh	
9jh	Yes.
10mh	Especially need marketing products for industry
11ah	Yes [circled] environmental protection
12bi	Not sure. If we are trying to track numbers of people adopting IPM then standard ways of county would be important as would standard definitions.
13rj	Record keeping, environmental protection
14ml	If we could develop a fairly generic survey tool which could be modified for specific situations, that would be the best. It would also make the overall coordinator's job easier.
15jm	Yes - mostly record keeping & economic tools
16wm	Yes
17em	Yes
18fm	Yes
19lm	Yes, and I believe help in quantifying benefits will increase adoption.
20an	Record keeping, data collection, what to look for when
21co	Yes
22spb	Yes, we need economic data in the lawn and landscape to support our argument.
23jr	N/A Hard for homeowners?
24ss	Yes, that would really improve our accountability
25ms	Would be helpful.
26jv	Yes
27ww	Not so much for the home owner
28lw	Not sure that I understand the question.
29rz	Survey instrument

13. Please visit the IPM/BC Web site, <http://biocontrol.ifas.ufl.edu/>, if you have not already done so, and comment on its ease of use and information content.

Trends:

None recorded

Respondent	Response
1jb	Easy
2gb	Easy to use
3bb	Test is to small in general, hurts the eyes after long time surfing the site
4pb	I have been there and it is a good site
5dc	Kind of wordy - design not too "exciting" for layman - OK for faculty. Add some of the Tom Fasulo bells & whistles for better use.
6pd	Excellent site - great resource for agents. Easy to use (I am a technoidiot)
7md	I didn't realize so much info was there. I look forward to using it.
8lh	
9jh	I hadn't yet seen it' it will be useful.
10mh	
11ah	
12bi	Nice site; easy to use and navigate. Good information. Nice to know it's there.
13rj	I have used this site in the past and found it easy to navigate and the information was good
14ml	It's OK, but not very exciting. I'm not sure I'd refer clientele to this site unless they were dedicated computer users.
15jm	Very easy to use - needs pictures
16wm	Will visit
17em	Good site - easy to use although downloads are difficult in low band width connectivity counties, keep building on it.
18fm	It has good background information.
19lm	Lots of good information.
20an	Very user friendly, master gardener exercise is useful
21co	
22spb	"Category and Taxonomic Search" (Can that title be made clear as to what it is - or just list them: Lawn and Landscape, Household, etc. and make Featured Creatures a separate title.
23jr	Very easy to use, like examples of possible demo.s for MG's to do
24ss	
25ms	Home page could be more inviting.....excellent content once you get into the site. Have used previously.
26jv	OK
27ww	
28lw	The Web site provides a good, quick source of information.
29rz	I added it to my favorite's list. I especially like the Category & Taxonomic Search feature.

•
•
•
•
•

14. Please make additional comments or suggestions:	
Trends: None recorded	
Respondent	Response
1jb	
2gb	
3bb	
4pb	More information on degree of infestation that should prompt action - How to get homeowners to buy into small infestations being okay. This would help with homeowners buy-in, I think. Thank you for the book! I will put it to good use
5dc	
6pd	I hope something develops for IPM in urban landscapes (and condos, too).
7md	My degree is in entomology and my specialty is IPM. I already have excellent collaboration with Dr. Richard Sprenkel in agronomic IPM. I initiated a field crop IPM program here for cotton, peanuts, soybeans, etc. nearly 25 years ago. We conduct scout training in IPM techniques each year. I am very interested in your new program efforts and will support and participate where possible. Thanks
8lh	Send the book, we'll go from there
9jh	
10mh	We have the first county government wide IPM program in FL (started 1991) so we have some experience. We would like to collaborate. We have an IPM coordinator full time (Dr. Fred Santana, entomologist), who is assigned to extension. One thing needed is training and certification for industry personnel. We need to reprint and add to the simple IPM trifold for homeowners originally produced in Sarasota County, then distributed statewide through Dr. Phil Koehler. [elsewhere on page] Glad to see this moving ahead under Norm's leadership. We <u>will support</u> .
11ah	Entomology publication need to emphasize Biocontrol & IPM instead of just dealing with pesticide recommendations. You'll get more adoption if other control strategies are emphasized!
12bi	Nothing to add at this time. I am excited to see the emphasis on IPM/BC.
13rj	One day inservice training for new agents
14ml	
15jm	
16wm	It is vital for UF/IFAS to become the leader in IPM in the South.
17em	There is a big unmet demand with organic producers.
18fm	I would like to see more examples of what has worked in the field.
19lm	Please send me information on IPM certification.
20an	Another example needed is a chart to let landscape maintenance professionals - know when to expect problems, ie, mole crickets, webworm, chinch bug, controls & maintenance procedures. Dr. Buss assisted - but need more complete info for the professional to collect data.
21co	
22spb	
23jr	Most of these questions prelude to needs already seem to fulfill. 1° education to agents on (2) levels: urban and commercial. Then can allow agents to have studies w/ MG's as an example to homeowners what they can do or stop doing for IPM to be effective; provide sources if they need to purchase beneficials. And now affects of IPM; time frame.
24ss	
25ms	Networking is the key to success in this area.
26jv	It will be a great resource for all the agents.
27ww	

28lw	A tour of a location that has been successful with IPM/BC techniques as part of an In-service training and/or training for the public may be a good approach.
29rz	



Priorities

Priorities [positive responses by 76% or more respondents]:

- Pest management guides
- Networking/consultation
- Current pesticide information
- Current IPM information
- Measure adoption of IPM
- Collaboration on projects
- IPM scouting thresholds
- In-service training

Survey respondents

1jb
Jacque Breman
County Extension Director IV
Union
25 NE 1st Street
Lake Butler FL 32054-1701

2gb
Gary Brinen
Alachua
2800 NE 39th Ave.
Gainesville FL 32609
GHBrinen@mail.ifas.ufl.edu

3bb
Brent Broaddus
Hillsborough
5339 County Road 579
Seffner FL 33584
broaddus@ufl.edu

4pb
Pam Brown
Urban Horticulture Agent
Pinellas
12175 125th St. N.
Largo FL 33774
pwbrown@co.pinellas.fl.us

5dc
Dan Culbert
County Extension Director
Indian River
1028 20th Place Suite D
Vero Beach FL 32609
dfculbert@mail.ifas.ufl.edu

6pd
Peggy Dessaint
Manatee
1303 17th St. W.
Palmetto FL 34221
mddessaint@mail.ifas.ufl.edu

7md
Michael Donahoe
County Extension Director
Santa Rosa
6051 Old Bagdad Highway Room
116
Milton FL 32583-8932
mcdonahoe@mail.ifas.ufl.edu

8lh
Larry Halsey
Jefferson
275 N Mulberry
Monticello FL 32344
lah@mail.ifas.ufl.edu

9jh
Jody Haynes
FYN Program Extension
Agent
Dade
18710 SW 288th St.
Homestead FL 33030
jlh@gnv.ifas.ufl.edu

10mh
Mike Holsinger
County Extension Director
Sarasota
2900 Ringling Blvd
Sarasota FL 34237-5397
mjhr@gnv.ifas.ufl.edu

11ah
Adrian Hunsberger
Extension Agent II Urban
Horticulture
Miami-Dade
18710 SW 288th Street
Homestead FL 33030-8710
aghu@mail.ifas.ufl.edu

12bi
Bruce Ide
Citrus
3600 S Florida Ave.
Inverness FL 34450-7369
bmide@mail.ifas.ufl.edu

13rj
Rebecca Jordi
Nassau
972 South Kings Road
Callahan FL 32011-3122
rljordi@mail.ifas.ufl.edu

14ml
Mary Lamberts
Dade
18710 SW 288th Street
Homestead FL 33030
lamberts@ufl.edu

15jm
Joshua Mayfield
Gadsden
2140 W. Jefferson St.
Quincy FL 32351
jlmayfield@mail.ifas.ufl.edu

16wm
Wendel Martinkovic
Sumter
PO Box 218 67 County Road 538
Bushnell FL 33513
wendelfm@yahoo.com

17em
Eugene MacAvoy
Hendry
1085 Pratt Blvd. PO Box 68
LaBelle FL 33975
gmcavoy@gnv.ifas.ufl.edu

18fm
Frank Melton
Manatee
1303 17th St. West
Palmetto FL 34221
fmmelton@mail.ifas.ufl.edu

19lm
Laura Miller
Hillsborough
5339 C. R. 579
Seffner FL 33584
lmmiller@mail.ifas.ufl.edu

22spb
Sydney Park Brown
Hillsborough
5339 C. R. 579
Seffner FL 33584

25ms
Mike Sweat
Baker
1025 W. Macclenny Ave.
Macclenny FL 32063
msweat@mail.ifas.ufl.edu

28lw
Larry Williams
Okaloosa
5479 Old Bethel Road
Crestview FL 32536
lwilliams@co.okaloosa.fl.us

20an
Anita Neal
St. Lucie
8400 Picos Road Suite 101
Fort Pierce FL 34945
asn@mail.ifas.ufl.edu

23jr
Jennifer Rulka
Orange
2350 E. Michigan Street
Orlando FL 32806
jlrulka@mail.ifas.ufl.edu

26jv
Jalil Vedaee
Broward
3245 College Ave.
Davie FL 33314
jvedaee@broward.org

29rz
Raymond Zerba
Clay
PO Box 278
Green Cove Springs FL
32043
rhz@gnv.ifas.ufl.edu

21co
Clay Olson
Taylor
203 Forest Park Drive
Perry FL 32348
cbolson@mail.ifas.ufl.edu

24ss
Sally Scalera
Brevard
3695 Lake Dr.
Cocoa FL 32926
sscalera@mail.ifas.ufl.edu

27ww
Wendy Wilber
Alachua
2800 NE 39th Ave.
Gainesville FL 32609
wllwilber@mail.ifas.ufl.edu

30fs(received after
compilation)
Fred Santana
Sarasota
6700 Clark Road
Sarasota FL 34241
fsantana@co.sarasota.fl.us