

# 25B PicoAg-4n1 25B Nematicides Product Development

The development of a Picotechnology product is always based on these factors: application timing and dates, dilution, planting dates, soils conditions, seed and application program being followed. Our product grows plants totally different than traditional farming and the common comments from farmers is this is not normal. That is because this is not chemicals, fertilizers rates if at all, harvesting, weather protection, test weights and moisture contents, etc. etc. So this is the comments from the University professors over the last year! I'll comment in blue!

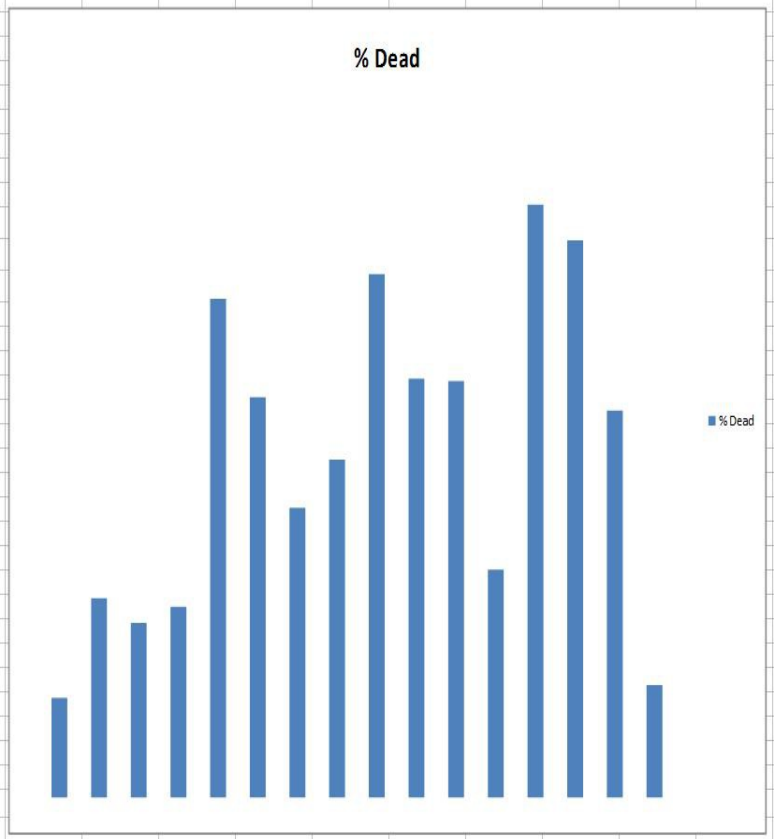
3-20-2018: Have you tested soyosoap for its effect on nematodes? I am interested in running some greenhouse trials if you are interested. **Starting in the laboratory!**

3-20-2018: Thanks of the attachments and a sample of your product. I am anxious to see if soyosoap is effective at killing nematodes. I am slowly trying to digest your website.

5-30-2018: We did a preliminary study of the effects of your product on nematodes. I have attached the results. **Not achieving 100% kill time to add more PicoAg-4n1 25B**

Treatment		Alive	Dead	% Dead	Total
4oz	1hr	408	72	15.00	480.00
2oz	1hr	448	192	30.00	640.00
1oz	1hr	696	248	26.27	944.00
water	1hr	576	232	28.71	808.00
4oz	24hr	104	312	75.00	416.00
2oz	24hr	312	472	60.20	784.00
1oz	24hr	632	488	43.57	1120.00
water	24hr	240	248	50.82	488.00
4oz	48hr	80	296	78.72	376.00
2oz	48hr	432	736	63.01	1168.00
1oz	48hr	272	456	62.64	728.00
water	48hr	184	96	34.29	280.00
4oz	72hr	64	528	89.19	592.00
2oz	72hr	144	744	83.78	888.00
1oz	72hr	184	256	58.18	440.00
water	72hr	472	96	16.90	568.00

Treatment	Time	% Dead
4oz	1hr	15.00
2oz	1hr	30.00
1oz	1hr	26.27
water	1hr	28.71
4oz	24hr	75.00
2oz	24hr	60.20
1oz	24hr	43.57
water	24hr	50.82
4oz	48hr	78.72
2oz	48hr	63.01
1oz	48hr	62.64
water	48hr	34.29
4oz	72hr	89.19
2oz	72hr	83.78
1oz	72hr	58.18
water	72hr	16.90

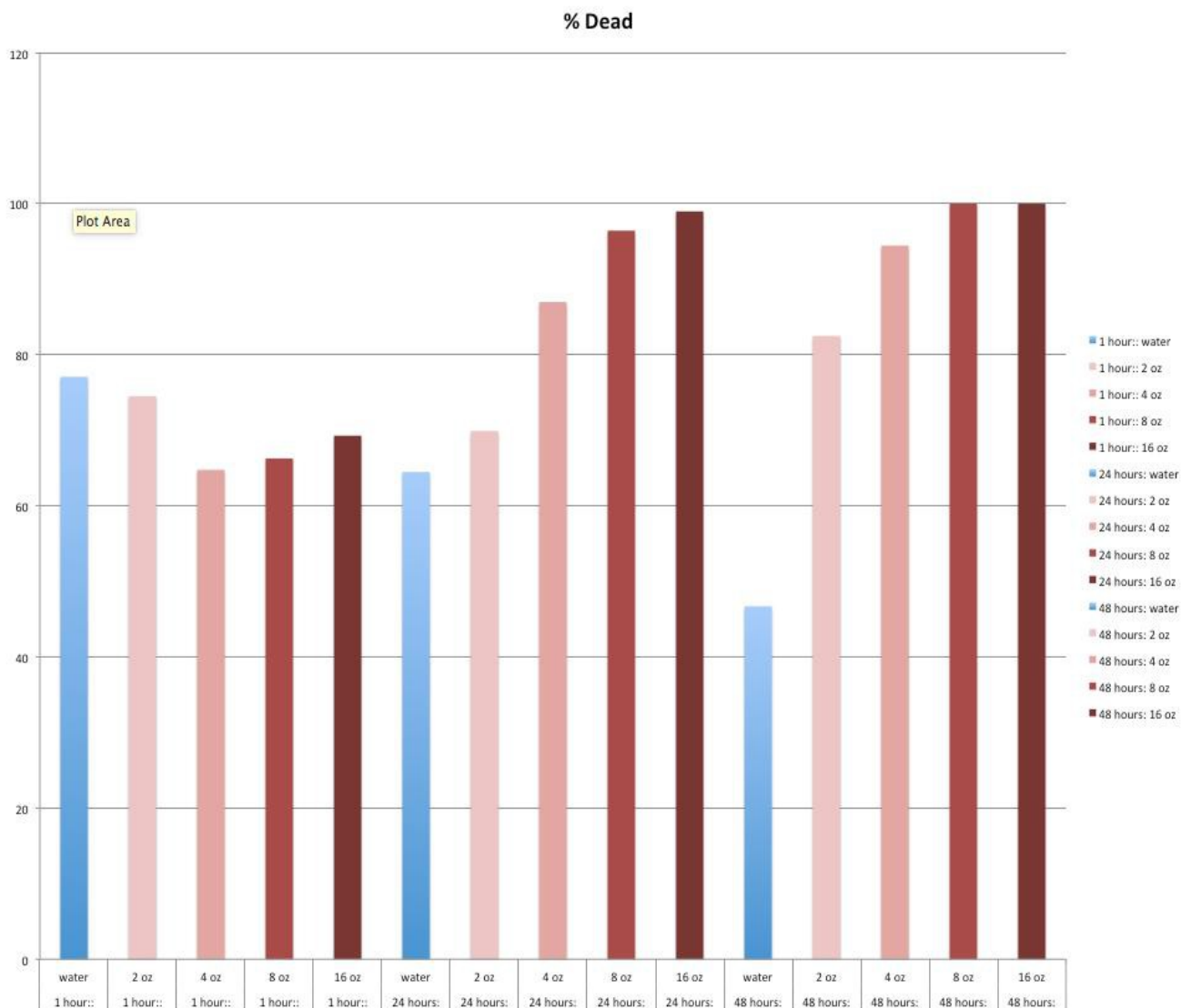


5-30-2018: That should have been 2 oz per gallon as a starting point. I will try 4, 2, and 1 oz per gallon.

6-8-2018: Attached please find our latest test of your product. It seems to have worked, so we are beginning a new test with the appropriate replicates. We will try the 4, 2, 1, and ½ oz. to the gallon. I will keep you posted. **Actually they tried 2, 4, 8 for 48 hours.**

6-8-2018: Will try this on root-knot and soybean cyst. **Expanding trails to Cyst!**

6-21-2018: I have attached the results from trial #2. It seems as if the nematodes recovered in the water and the soyo soap continued to do its job. Now, it's on to the greenhouse with soybean cyst nematode. **100% kill finally, but now expand time from 48 hours to 168 hours (1 week) to work on cost reduction using 2 ounces. And we leave the laboratory off to the greenhouse for phase 2 of 3.**



6-21-2018: If they are all dead after 48 hrs., why go on? Our next step in to get our of glass and go to the greenhouse. I am planning a big test with soybean cyst and root-knot. Solve those issues and we go on to golf courses. They need a safe product that works. A few dollars thrown my way, may allow me to persuade my colleague to try something of the golf course. **Because that was at 4 and 8 oz and I want longer time at only 2 ounces to drive down price. Now we are adding golf courses!**

7-11-2018: I am collecting the inoculum today for our test which will begin tomorrow It will be a greenhouse study with soybean. Corn is next. **Now we are adding Corn!**

7-15-2018: Yes, we are testing all 3 (lab, greenhouse, and field) nematode stages. We are satisfied with the in vitro testing and are moving to the greenhouse. If that shows promise, we will go to the field. We are also testing for synergistic effects with a few other products that I am testing. ??? One is a nematicide seed treatment and two others are amendments. ??? Thus far we have only looked at second-stage juveniles. They are the effective stage. Control them and they don't progress any further. Seed treatment. **So far so good, beyond good great!**

11-5-2018: I have 2 trials on golf courses using 2 oz per gallon per 1,000 sq. ft. They are a side by side comparison. So far the treatment is visually better than the non-treated. The greenhouse test is progressing and will be taken down in 45 days. It compares several product in controlling soybean cyst nematode. **That is more great news and another products added to the list.** I am not sure about testing the particle size of your product. I do have a SEM but your product should be beyond its capabilities. **Can it see chains of Carbon 14 or 16? Please ask!**

12-9-2018: Our test is currently underway and should be taken down shortly after New Years. We did apply it to a two golf course and got spectacular results above ground. The nematode data was variable. But with this great greening of the greens it may be a product that golf courses may be interested in and we hope to do a lot more test this spring. **The beat goes on, Rome as not built in a year, Thanks**

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