

CURRICULUM VITAE

Name: Abdalla

First name: Tag Elsir

Middle name: Elamin

Date of birth: 1 January, 1954.

Country of birth: Sudan.

Town of birth: Wad Medani.

Marital status: Married, + two sons (25 and 21 years old).

Education:

Primary School: Elnahr, Wad Medani, Sudan

Intermediate School: AlAhlia A, Wad Medani, Sudan

Secondary School: Elhawara-Elsuni, Wad Medani, Sudan

Ms.C. 27 February 1981, Kuban Agricultural University, Krasnodar, Russia.

PhD, Moscow Agricultural Academy, Moscow-Russia, 17 July, 1991.

Languages: Arabic, English and Russian.

Posts and Places of work

1. Seed production officer, Seed Propagation Directorate, Ministry of Agriculture, Sudan, 10 June 1982 – 22 December, 1982.
2. Agricultural inspector, Ministry of Agriculture, Gezira State, Sudan, 23 Dec.1982 – 1 July 1987, and from 1 August, 1991 to 1 September, 1992.
Ph. D. studies 2 July, 1987-17 July, 1991.
3. Entomologist, Agricultural Research Corporation (ARC), Gezira Research Station, 27 September 1992 – 5 April 1993.
4. Entomologist, New Halfa Research Station, ARC, 6 April 1993 – 27 July 1997
5. National Coordinator, Entomology research program, Entomologist, Gezira Research Station, ARC since 28 July 1997.

Major area of current work:

1. IPM of field horticultural and fruit crops, with especial regard to the biological control of insect pests.
2. Director *Trichogramma* Rearing Centre, ARC, Sudan.
3. Teaching and training of university students and extension farmers.
4. Supervision of post graduate students (MsC and PhD).
5. Extension and technology transfer (Farmers fields' schools).
6. Identification of insects.

Scientific degrees: Assistant Professor 1st July, 1993.

Associate Professor 1st January 1998.

Professor 1st March 2007

CURRICULUM VITAE

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المدرسة الابتدائية

Education:

Primary School: Elnahr, Wad Medani, Sudan

Intermediate School: AlAhlia A, Wad Medani, Sudan

Secondary School: Elhawara-Elsuni, Wad Medani, Sudan

Ms.C. 27 February 1981, Kuban Agricultural University, Krasnodar, Russia.

PhD, Moscow Agricultural Academy, Moscow-Russia, 17 July, 1991.

Languages: Arabic, English and Russian.

الجامعة الوطنية

Posts and Places of work

1. Seed production officer, Seed Propagation Directorate, Ministry of Agriculture, Sudan, 10 June 1982 – 22 December, 1982.
2. Agricultural inspector, Ministry of Agriculture, Gezira State, Sudan, 23 Dec.1982 – 1 July 1987, and from 1 August, 1991 to 1 September, 1992.
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المؤ

Scientific degrees: Assistant Professor 1st July, 1993.
Associate Professor 1st January 1998.
Professor 1st March 2007

Published Papers

1. Abdalla, Tag Elsir Elamin. (2013). Efficacy of some carbaryl mixed baits in mass luring and kill of sunflower and sorghum infesting *Pachnoda interrupta* (Olivier). *Gezira Journal of Agricultural Science* 11(2), 117-125.
2. Abdalla Tag Elsir Elamin, Abdelmagid Adlan Hamad, Usama Mohamed Ahmed, Omer Abdelgadir Elnour and Mohamed Ahmed Salih. (2013). Resurgence of the Cotton Stemborer *Sphenoptera gossypii* Conte as a Serious Pest in the Irrigated Schemes in Sudan. *University of Khartoum Journal of Agricultural Science* (In press).
3. Abdalla, Tag Elsir Elamin and Ali Elbadawi Ali. (2013). Efficacy of *Trichogramma principium* (Sugonyaev et Sorokina) against tomato-infesting *Helicoverpa armigera* (Hb.) and *Phthorimaea operculella* Zeller in Sudan. *Sudan Journal of Agricultural Research* (In press).
4. Abdalla, Tag Elsir Elamin and Mohamed Yonis Mohamed. (2013). A note on damage quantification of *Pachnoda interrupta* Olivier on sunflower in the Gezira, Sudan, and a technical package for its control. *Sudan Journal of Agricultural Research* (21) 2013, 123-130 .
5. Abdalla, Tag Elsir Elamin, Sara Abdelraheem Babiker and Mohamed Yonis Mohamed. (2012). First record of *Pachnoda interrupta* Olivier Outbreak on sorghum, pearl millet and sunflower in Sudan. *University of Khartoum Journal of Agricultural Science* 20(13) 304-313.
6. Abdalla, Tag Elsir Elamin, Ahmed M. Elmustafa and Hassan A. Mubarak. (2012). Establishment and parasitism efficiency of *Trichogramma principium* (Sugonyaev et Sorokina) on *Helicoverpa armigera* (Hb.) infesting cotton in Sudan. *Gezira Journal of Agricultural Science* 10(1) 105-117.
7. Abdalla, Tag Elsir Elamin. (2012). *Trichogramma* rearing technique in Sudan and effect of cold storage of host eggs on parasitism and of preimaginal parasitoids on adults' emergence. *Sudan Journal of Agricultural Research* 20: 61-70.
8. Abdalla, Tag Elsir Elamin. (2010). Studies on *Corcyra cephalonica* (Stainton) (Lepidoptera: Pyralidae), as a factitious host for *Trichogramma* mass rearing. *Gezira Journal of Agricultural Science* 8(2): 1-15.
9. Abdalla, Tag Elsir Elamin. (2010). Identification and characterization of some wheat genotypes resistant to the greenbug. *Schizaphis graminum* (Rond.) (Homoptera: Aphididae). *Gezira Journal of Agricultural Science* 8(2): 16-25.
10. Yasir, Gasmelseid Bashir and Abdalla, Tag Elsir Elamin. (2009). Chemical control of the acacia bagworm *Aucchmophila kordofensis* R (Lepidoptera: Psychidae) in North Kordofan State, Sudan. *Sudan Journal of Agricultural Research* 13: 83-92.
11. Abdalla, Tag Elsir Elamin. (2007). Parasitism efficiency of *Eretmocerus mundus* (Mercet) on *Bemisia tabaci* (Genn.) infesting cotton crop and its interaction with insecticides applied in New Halfa Agricultural Scheme (Sudan). *Sudan Journal of Agricultural Research* 8: 149-155.
12. Abdalla, Tag Elsir Elamin, Francis L. Oji and Entisar A. Osman. (2007). The efficacy of *Bacillus thuringiensis*, *Saccharopolyspora spinosa* and fenvalerate

- against the gram pod borer *Helicoverpa armigera* (Hub.) in the Sudan. *Gezira Journal of Agricultural Science* 5(1): 52-61.
13. Abdalla, Tag Elsir Elamin. (2006). Tomato russet mite *Aculops lycopersici* (Masse) (Acari: Eriophyidae): A new serious pest of tomato in the Sudan. *Gezira Journal of Agricultural Science* 4(2): 232-238.
 14. Abdalla, Tag Elsir Elamin, Entisar A. Osman and Elsadig M. Bilal. (2006). Prevalence of the citrus leafminer *Phyllocnistis citrella* (Stainton) on some citrus species in the Gezira State (Sudan) and its chemical control. *Gezira Journal of Agricultural Science* 4(1): 49-66.
 15. Abdalla, Tag Elsir Elamin. (2006). First record of the two-spotted spider mite on cotton in the Sudan. *Sudan Journal of Agricultural Research* 6: 69-70.
 16. Abdalla, Tag Elsir Elamin. (2005). Parasitism efficiency of *Aphelinus sudanensis* on *Aphis gossypii* infesting cotton and its interaction with commercial insecticides in New HA Halfa Agricultural Scheme (Sudan). *University of Khartoum Journal of Agricultural Science* 13(2): 313-325.
 17. Abdalla, Tag Elsir Elamin. (2005). Parasitism efficiency of *Encarsia lutea* Masi on *Bemisia tabaci* (Genn.) and its interaction with insecticides applied on cotton in New HA Halfa Agricultural Scheme (Sudan). *Gezira Journal of Agricultural Science* 3(1): 65-79.
 18. Abdalla, Tag Elsir Elamin and Entisar A. Osman. (2005). Abundance of the citrus mealybug *Planococcus citri* (Risso) on some citrus species in the Gezira State (Sudan) and the efficacy of the petroleum spray oil "D-C Tron Plus" in its control. *Gezira Journal of Agricultural Science* 3(2): 159-173.
 19. Abdalla, Tag Elsir Elamin and Abdelaziz A. Fatah. (2002). The biological and economical effectiveness of imidacloprid for the control of aphid *Schizaphis graminum* (Rondani) on wheat in Sudan. *Nile Valley and Red Sea Regional Program Wheat Newsletter*.
 20. Sharaf Eldin N., Kannan, H., Abdalla, Tag Elsir Elamin and Abdel Gadir A. (1995). Insect Pest Problems of Wheat. Pp 161-173. In: *Wheat Production and Improvement in the Sudan*. ICARDA, Aleppo, Syria.
 21. Abdalla, Tag Elsir Elamin. (1995). Effect of sowing date on incidence of the leafminer *Liriomyza trifolii* (Burg) and grain yield of faba bean. *FABIS Newsletter* 36/37.
 22. Abdalla, Tag Elsir Elamin. (1991). Biological basis of using insect-acaricides in controlling major pests of cotton crop. Krasnodar, Russia, Kuban Agricultural Institute Press.
 23. Abdalla, Tag Elsir Elamin. (1991). Insect-acaricides and pigments content in cotton leaves. *Journal of Khlopok* 6(91): 44-46.
 24. Abdalla, Tag Elsir Elamin. (1990). Contact and systemic toxicity of some insect-acaricides against a glass-house population of the two-spotted spider mites. pp 57-62 In: *Control of agricultural crops from pests, diseases and weeds*. Krasnodar, Russia, Kuban Agricultural Institute Press.
 25. Abdalla, Tag Elsir Elamin. (1990). Resistance of a glass-house population of the two-spotted spider mites. *Journal of Zashita Rastenii* 10(90): 30-31.

26. Abdalla, Tag Elsir Elamin. (1989). Efficacy of some insecticides on cotton in the Sudan (Gezira Scheme). Journal of Agrochimia 12: 103-105.

المؤتمرات
Papers Presented in International and Regional Conferences

1. Abdalla, Tag Elsir Elamin. (2009). Abundance of the citrus mealybug, *Planococcus citri* (Risso) on some citrus species in the Gezira State (Sudan) and efficacy of the petroleum spray oil "D-C Tron Plus" in its control. The 10th Arab Congress of plant protection, Beirut, Lebanon, 26-30 October 2009.
2. Abdalla, Tag Elsir Elamin. (2009). The efficacy of *Bacillus thuringiensis*, *Saccharopolyspora spinosa* and fenvalerate against the gram pod borer *Helicoverpa armigera* (Hub.) in the Sudan. The 10th Arab Congress of plant protection, Beirut, Lebanon, 26-30 October 2009.
3. Abdalla, Tag Elsir Elamin. (2009). Review of fruit flies status in the Sudan. The 10th Arab Congress of plant protection, Beirut, Lebanon, 26-30 October 2009.
4. Abdalla, Tag Elsir E., Francis L. Oji and Osman, Entisar A. (2007). Bio- pesticide activity of *Bacillus thuringiensis* and *Saccharopolyspora spinosa* bacterium on the gram pod borer *Helicoverpa armigera* (Hub.) in the Sudan. Tropentag, October 9-11 2007 Witzenhausen, Germany.
5. Abdalla, Tag Elsir Elamin. (2008). Review of the current situation of fruit Flies in the Sudan. The 6th coordination meeting of fruit fly control using sterile insect technique. 25-26 October 2008, Damascus, Syria.
6. Abdalla, Tag Elsir Elamin. Mahir, Mutwakil A. and Khalid, Mohamed E. (2006). Leafhopper – wilt / root rot and stunt diseases control on chickpea. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat, 27-28 August, 2006 ARC, Wad Medani, Sudan.
7. Abdalla, Tag Elsir E., Francis L, Oji and Entisar A. Osman. (2006). Management of gram pod borer *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae). The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat, 27-28 August, 2006 ARC, Wad Medani, Sudan.
8. Abdalla, Tag Elsir Elamin (2005). Parasitism efficiency of *Eretmocerus mundus* (Mercet) on *Bemisia tabaci* (Genn.) and its interaction with insecticides applied on cotton crop in New Halfa Agricultural Scheme (Sudan). The 16th Conference of the African Association of Insect Scientists and the Entomological Society of Ghana. Ghana (AAIS), Accra, 6-10 June 2005.
9. Hayder Abdelgader, Hassan S. and Abdalla, Tag Elsir Elamin. (2003). Effects of botanical insecticides on the egg parasitoid *Trichogramma cacoeciae* Marchal (Hym. Trichogrammatidae). The Eighth Arab Congress of Plant Protection. 12-16 October 2003 Omar Al Mukhtar University, ElBeida Lybia.
10. Abdalla, Tag Elsir Elamin (2002). Preliminary identification of some wheat germplasms resistant to the green bug *Schizaphis graminum* (Rond) in the Sudan. The 7th Arab Congress of Plant Protection. 22-26 October 2002 Amman, Jordan.
11. Abdalla, Tag Elsir Elamin. (2001). The biological and economical effectiveness of the lower dose of Gaucho 70 WS against aphid *Shizaphis graminum* on wheat.

- The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 22-23 August 2001. ARC Wad Medani, Sudan.
12. Abdalla, Tag Elsir Elamin. (2001). Screening of wheat breeding lines for resistance / tolerance against aphid *Shizaphis graminum*. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 22-23 August, 2001. ARC Wad Medani, Sudan.
 13. Abdalla, Tag Elsir Elamin. (1998). Host resistance of wheat against aphid *Shizaphis graminum*. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 22-24 August 1998. ARC, Wad Medani, Sudan.
 14. Abdalla, Tag Elsir Elamin. (1998). Integrated pest management of aphid on wheat and faba beans. The workshop on: Integrated control of aphid and viruses. 20-23 April 1998, ICARDA, Aleppo, Syria.
 15. Abdalla, Tag Elsir Elamin. (1997). Evaluation of different doses of neem seeds extract for the leafminer control on faba beans. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 19-21 August, 1997. ARC, Wad Medani, Sudan.
 16. Abdalla, Tag Elsir Elamin. (1997). Screening of wheat breeding lines for resistance against aphid *Shizaphis graminum*. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 19-21 August, 1997. ARC, Wad Medani, Sudan.
 17. Abdalla, Tag Elsir Elamin. (1996). Screening of wheat breeding lines for resistance against aphids *Shizaphis graminum*. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1996. ARC, Hudebia, Sudan.
 18. Abdalla, Tag Elsir Elamin. (1996). Granular and seed dressing insecticides for aphids control on wheat. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1996. ARC, Hudeiba, Sudan.
 19. Abdalla, Tag Elsir Elamin. (1996). Evaluation of different doses of neem seeds' water extract for the leafminer control on faba beans. The National coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1996. ARC, Hudeiba, Sudan.
 20. Abdalla, Tag Elsir Elamin. (1996). Critical spray timing and number of sprays for leafminer control on faba beans. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1996. ARC, Hudeiba, Sudan.
 21. Abdalla, Tag Elsir Elamin. (1995). The effect of different insecticides formulations on faba bean pests. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1995. ARC, Wad Medani, Sudan.

22. Abdalla, Tag Elsir Elamin. (1995). Evaluation of different formulations of insecticides on wheat aphids *Shizaphis graminum*. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1995. ARC, Wad Medani, Sudan.
23. Abdalla, Tag Elsir Elamin. (1995). The effects of sowing date on pests' incidence of faba beans. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 1995. ARC, Wad Medani. Sudan.
24. Abdalla, Tag Elsir Elamin. (1994). Effect of sowing date on incidence by leafminer *Liriomyza trifolii* and grain yield of faba beans. The Annual National coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 28 August-1 September, 1994. ARC, Wad Medani, Sudan.
25. Abdalla, Tag Elsir Elamin. (1994). Screening and incorporation of aphid resistant wheat germplasms. The Annual National coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 28 August-1 September, 1994. ARC, Wad Medani, Sudan.
26. Abdalla, Tag Elsir Elamin. (1994). Evaluation of different formulations of insecticides on wheat aphid. The Annual National Coordination Meeting. ARC/ICARDA Nile Valley and Red Sea Regional Program on Cool-Season Food Legumes and Wheat. 28-August-1 September, 1994. ARC, Wad Medani, Sudan.

الندوات (التدريبية)
7

Presence in International Workshops

1. Workshop on: Pests control on cotton and other crops. 1-10 August, 1998, Istanbul, Turkey.
2. Workshop on: New development of insecticides and herbicides for Africa and the Middle East. Tokyo, Japan, 15-21 January, 2006.

Scientific visit

1. The National Centre of Science and Nuclear Technologies, Laboratory of Mass rearing of genetic sexing strain of Mediterranean fruit fly *Ceratitidis capitata* (Vienna 8) 28 September- 2nd October 2009, Tunisia.

Papers Presented in National National Pests and Diseases Committee

Note: The National Pests and Diseases Committee is the only committee that recommends all technologies (IPM elements, pesticides, etc) for official registration and commercial use in Sudan.

1. Abdalla Tag Elsir Elamin, Sara Abdelrahman Babiker, Mohamed Younis Mohamed and Mohamed Ahmed Mohamed Khair (2012). First outbreak of *Pachnoda interrupta* Olivier on sorghum, pearl millet and sunflower in Sudan. The 86th National Pests and Diseases Committee Meeting, June 2012, ARC, Wad Medani, Sudan.
2. Abdalla, Tag Elsir Elamin. (2010). Identification and characterization of some wheat genotypes resistant to the greenbug *Schizaphis graminum* (Rond.)

(Homoptera: Aphididae). The 82nd National Pests and Diseases Committee Meeting, June 2010, ARC, Wad Medani, Sudan

3. Abdalla, Tag Elsir Elamin. (2010). A progress report on: *Trichogramma* rearing, storage and release at experimental scale. The 82nd National Pests and Diseases Committee Meeting, June 2010, ARC, Wad Medani, Sudan
4. Hader Abdelgader, Mutwakil A. Mahir, and Abdalla, Tag Elsir Elamin. (2008). Evaluation of the efficacy of new formulations of imidacloprid and tebuconazol seed dressing treatments to control insect pests and diseases attacking cotton. The 78th Meeting of the Pests and diseases Committee, June 2008, ARC, Wad Medani, Sudan..
5. Mohammed E. E. Mahmoud, Samira A. Mohamed and Abdalla, Tag Elsir Elamin. (2007). Recommendation of some insecticides for control of the green bug *Schizaphis graminum* (Rond.) on wheat. The 77th Meeting of the Pests and diseases Committee, 29 October 2007, ARC, Wad Medani, Sudan.
6. Mahir Mutwakil A. M., Abdalla Tag Elsir Elamin., Khalid, Mohamed Elfatih, Adlan, Abdel Magid, Ahmed Abdel Moniem A., Ayman Abdel Mageed M., Amani E. Elhaj and Betijowk J. Orach (2007). Evaluation of Apron Star 42% WS and Gaucho 70% WS for the control of stunt, wilt and root rot diseases and pod borer in chickpea. The 77th Meeting of the Pests and diseases Committee, 29 October 2007, ARC, Wad Medani, Sudan.
7. Hayder A. Gadir, Abdalla, Tag Elsir Elamin., Mahir, Mutwakil A., Abdel Mageed, Ayman, Amani E. Elhag, Amani Fadelgabar and Betijowk J. Orach (2007). Evaluation of new formulations of imidacloprid and tebuconazole mixtures for control of cotton seedling insect pests and disease. The 77th Meeting of the Pests and diseases Committee, 29 October 2007, ARC, Wad Medani, Sudan.
8. Hassan O. Kannan, Abdalla, Tag Elsir Elamin, Sampson A. Binyason, Ahmed A. A/Razig, Khansa M. Mekki and Abdulla A. Mohamed. (2007). Evaluation of some insecticides for the control of insect pests of cotton. The 76th Meeting of the Pests and diseases Committee, June 2007, ARC, Wad Medani, Sudan.
9. Abdalla, Tag Elsir Elamin. (2006). Tomato rust mite *Aculops lycopersici* (Masse): A new serious pest of tomato in the Sudan. The 75th Meeting of the Pests and diseases Committee, 20 September, 2006, ARC, Wad Medani, Sudan.
10. Abdalla, Tag Elsir Elamin., Francis L., Oji and Entisar A. Osman. (2006). Evaluation of some biological and chemical products against pod borer on chickpea. The 75th Meeting of the Pests and diseases Committee, 20 September, 2006, ARC, Wad Medani, Sudan.
11. Yasir G. E. Adam and Abdalla, Tag Elsir Elamin. (2006). Evaluation of some products for the control of Acacia bagworm *Auchmophila kordofensis* (Lepidoptera: Psychidae). The 75th Meeting of the Pests and diseases Committee, 20 September, 2006, ARC, Wad Medani, Sudan.
12. Ali A. E., Abdalla, Tag Elsir Elamin, Faiza E. H., Elamin M.E., Hassan O. K., Ahmed H.M., and Ensaf S. I. (2006). Guidelines for the assessment of leafminers, *Liriomyza* spp. damage and strategies for their management on tomato and cucurbits. The 75th Meeting of the Pests and diseases Committee, 20 September, 2006, ARC, Wad Medani, Sudan.

13. Abdalla, Tag Elsir Elamin, Bilal, Elsadig M. and Osman Entisar A. (2006). Evaluation of some insecticides for the control of the leaf miner on citrus seedlings. The 74th Meeting of the Pests and diseases Committee, June 2006, ARC, Wad Medani, Sudan.
14. Abdalla, Tag Elsir Elamin. and Entisar A. Osman. (2005). The citrus mealybug, *Planococcus citri* (Risso): Abundance in the Gezira State and efficacy of the petroleum oil "D-C Tron Plus" in its control. The 72nd Meeting of the Pests and diseases Committee, 21 June, 2005, ARC, Wad Medani, Sudan.
15. Abdalla, Tag Elsir Elamin. (2004). The citrus leafminer: Abundance in the Gezira State and control using the petroleum spray oil "D-C Tron Plus" (839 g/l) EC. The 71st Meeting of the Pests and Diseases Committee, 6 October, 2004, ARC, Wad Medani, Sudan.
16. Abdalla, Tag Elsir Elamin and Ensaf S. Idris. (2004). Guidelines for testing insecticides against the citrus leafminer. The 70th Meeting of the Pests and Diseases Committee, 23 June 2004, ARC, Wad Medani, Sudan.
17. Abdalla, Tag Elsir Elamin. (2003). The efficacy of some generic insecticides on major cotton insect pests, natural enemies and lint quality. The 68th Meeting of the Pests and Diseases Committee, 6 May 2003, ARC, Wad Medani, Sudan.
18. Abdalla, Tag Elsir Elamin. (2002). The efficacy of some insecticides on major cotton insect pests, impact on natural enemies and the consequences on the quality of fibers. The 67th Meeting of the Pests and Diseases Committee. 24-25 September 200, ARC, Wad Medani, Sudan.
19. Abdalla, Tag Elsir Elamin. (2001). Evaluation of some insecticides for the control of major cotton insect pests in the large scale on-farm phase. The 66th Meeting of the Pests and Diseases Committee. 16-17 September, 2001, ARC , Wa d Medani, Sudan.
20. Gaafar A. Elzorgani, Rawda Y. El Habieb, Ihsan A. Abbas and Abdalla, Tag Elsir Elamin. (2001). Residues of Scorpion 500 EC in cotton. The 66th Meeting of the Pests and Diseases Committee. 16-17 September 2001, ARC, Wad Medani, Sudan.
21. Elzorgani, Gaafar A., Rawda Y. ElHabieb, Ihsan A. Abbas and Abdalla, Tag Elsir Elamin. (2001). Residues of Mosiplan 166 SL in cotton. The 66th Meeting of the Pests and Diseases Committee. 16-17 September 2001, ARC, Wad Medani, Sudan.
22. Abdalla, Tag Elsir Elamin. (2000). Evaluation of some insecticides for the control of major cotton insect pests. The 65th Meeting of the Pests and Diseases Committee, 5-6 September 2000, ARC, Wad Medani, Sudan.
23. Abdalla, Tag Elsir Elamin. (1999). Evaluation of some insecticides for the control of major cotton insect pests in the large scale phase of testing. The 64th Meeting of the Pests and Diseases Committee, 15 September, 1999, ARC, Wad Medani, Sudan.
24. Abdalla, Tag Elsir Elamin. (1997). Appearance and out-break of the two - spotted spider mites *Tetranychus urticae* Koch on cotton in Sudan. The 63rd Meeting of the Pests and Disease Committee, 11 September, 1996. ARC. Wad Medani. Sudan.

Conferences (some examples)

1. Abdalla Tag Elsir Elamin, Hassan Omer Kannan, Susam Mohamed Elnazir, Ahmed Hasan Mohamed, Daffalla Elrayah Yousif, Ensaf Sheikh Idris, Khidir Gubril Musa and Ali Elbadawi Ali. (2014). Insect pests management in Sudan, current status, challenges and future prospective. A key paper to the 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan
2. Abdalla Tag Elsir Elamin. (2014). *Trichogramma* rearing technique in Sudan and effects of cold storage of host eggs on parasitism and of preimaginal parasitoids on adults emergence. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
3. Abdalla Tag Elsir Elamin, Ahmed Mohamed Elmustafa and Hasan Abdelgadir Mubarak. (2014). Establishment and parasitism efficiency of *Trichogramma principium* on *Helicoverpa armigera* infesting cotton in Sudan. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
4. Abdalla Tag Elsir Elamin, Abdelmagid Adlan Hamid, Usama Mohamed Ahmed and Omer Abdelgadir Elnour. (2014). Resurgence of the cotton stem borer *Sphenoptera gossypii* Conte (Coleoptera: Buprestidae) as a serious pest in the irrigated schemes in Sudan. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
5. Abdalla Tag Elsir Elamin, Sara Abdelraheem Babiker and Mohamed Younis Mohamed. (2014). First record of the sorghum chafer *Pachnoda interrupta* Olivier outbreak on sorghum, pearl millet and sunflower in Sudan. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
6. Abdalla Tag Elsir Elamin (2014). Tomato russet mite *Aculops lycopersici* Masee (Acarida: Eriophyidae): A new serious pest of tomato in the Sudan. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
7. Entisar Ahmed Osman and Abdalla Tag Elsir Elamin. (2014). Biological and ecological studies of the mealybug *Planococcus citri* (Homoptera: Pseudococcidae) on citrus in the Gezira State, Sudan. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
8. Abdalla Tag Elsir Elamin. (2014). Studies on *Corcyra cephalonica* Stainton (Lepidoptera: Pyralidae) as a factitious host for *Trichogramma* mass rearing. The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
9. Ahmed Bashir Mohamed and Abdalla Tag Elsir Elamin. (2014) Interaction of weather elements changes and insect pests dynamic. (2014). The 3rd Conference on Pest Management in Sudan, 3-4 February 2014, Agricultural Research Corporation, Wad Medani, Sudan.
10. Abdalla, Tag Elsir Elamin. (2010). *Trichogramma* mass rearing and release in Sudan. The 9th – SAMAM Workshop for Training Laboratory Managers. University of Gezira, 18-22 December 2010.

11. Abdalla, Tag Elsir Elamin. (2004). Abundance and parasitism efficiency of *Encarsia lutea* and *Eretmocerus mundus* on *Bemisia tabaci* infesting cotton crop in the Sudan. The 2nd National Pest Management Conference in the Sudan, 6-9 December 2004, Faculty of Agricultural Sciences, University of Gezira Sudan.
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13. Abdalla, Tag Elsir Elamin. (1997). Evaluation different doses of granular insecticide Prifur 5 G, for aphid control on wheat. The Annual National Coordination Meeting 19-21 August, 1997. ARC, Wad Medani, Sudan.

Seminars (some examples)

1. Abdalla, Tag Elsir Elamin. (2010). Biological Control of agricultural insect pests with *Trichogramma* egg parasitoid. The Head Quarter of the Agricultural Administration, Ministry of Agriculture, Forestry and Natural Resources, Gezira State, 2nd December 2010.
 2. Abdalla, Tag Elsir Elamin. (2005). Efficacy of Tracer 240 SC against pod borer on chickpea and stem borer on maize. Seminar on Tracer and Vantex, 12 November, 2005, Barakat, Gezira Scheme, Sudan.
- الإدارة المتكاملة لإنتاج القطن. المجلس الوطني، لجنة الشؤون الزراعية و الحيوانية، الندوة الرابعة، قضايا القطن في السودان، القاعة الخضراء، 29 يناير 2007، الخرطوم، السودان.
- الإستراتيجية المستقبلية لمكافحة الآفات الزراعية في مشروع الجزيرة، ورشة عمل مكافحة الآفات الزراعية بمشروع الجزيرة، 6-7 فبراير 2007، بركات السودان.

Technologies released by Abdalla, Tag Elsir Elamin for official registration and commercial use in Sudan

1. Identification and characterization of 15 wheat genotypes resistant to the green bug *Schizaphis graminum*.
- 2- Baythroid / D 127.2 ULV (Cyfluthrin 7.2 / Dimethoate 120 g / litres) at 1 litres / feddan (7.2 / 120 g a.i.) for the control of the African bollworm *Helicoverpa armigera* and jassid *Jacobiasca lybica* on cotton.
- 3- Baythroid / F 159 ULV (Cyfluthrin 9 / Omethoate 150 g / litre) at 0.84 litres / feddan (7.56 / 126 g a.i.) for the control of the African bollworm *H. armigera*, jassid *J. lybica* and aphid *Aphis gossypii* on cotton.
- 4- Sumigold 20% EC (esfenvalerate) + Marshal 25 % EC (carbosulfan) at 0.075 + 0.4 litres / feddan (15 + 100 g a.i.) for the control of the African bollworm *H. armigera*, jassid *J. lybica* and aphid *A. gossypii* on cotton.
- 5- Chlorguard 48% EC (chlorpyrifos) + Endosulfan 50% EC at 0.75 + 0.75 litre / feddan (360 + 375 g a.i) for the control of whitefly *Bemisia tabaci* and aphid *A. gossypii* on cotton.

- 6- Bulldock 012 ULV (beta-cyhalothrin) at 0.5 litres / feddan (6 g a.i.) for the control of the African bollworm *H. armigera* and jassid *J. lybica* on cotton.
- 7- Admiral 10% EC (pyriproxyfen) + Sumigold 20% EC (esfenvalerate) at 0.175 + 0.075 litres / feddan (17.5 + 15 g a.i) for the control of the African bollworm *H. armigera*, aphid *A. gossypii* and whitefly *B. tabaci* on cotton.
- 8- Scorpion 50% EC (Ethion) at 0.5 litre / feddan (250 g a.i) for the control of jassid *J. lybica* on cotton.
- 9- Confidor 200 SL (imidacloprid) at 0.19 litres / feddan (38 g a.i) for the control of aphid *A. gossypii* on cotton.
- 10- Mosiplan 166 SL (acetamiprid) at 0.375 litres / feddan (6.23 g a.i) for the control of jassid *J. lybica* and aphid *A. gossypii* on cotton.
- 11- Bulldock 125 SC (beta-cyhalothrin) at 0.048 litre / feddan (6 g a.i.) for the control of the African bollworm *H. armigera* on cotton.
- 12- Preempt 20% EC (pyriproxyfen / fenpropathrin) + Oncol 30% EC (benfuracarb) at 0.25 + 0.25 litres / feddan (50 + 75 g a.i) for the control of jassid *J. lybica*, aphid *A. gossypii*, and whitefly *B. tabaci* on cotton.
- 13- Preempt 20% EC (pyriproxyfen / fenpropathrin) + Metasystox 25% EC (oxydemeton) at 0.25 + 0.75 litres / feddan (50 + 187.5 g a.i) for the control of jassid *J. lybica*, aphid *A. gossypii* and whitefly *B. tabaci* on cotton.
- 14- Danikool 20% EC (fenpropathrin) + Marshal 25% EC (carbosulfan) at 0.2 + 0.5 litres / feddan (40 + 125 g a.i.) for the control of jassid *J. lybica*, aphid *A. gossypii* and whitefly *B. tabaci* on cotton.
- 15- Cyprofen 220 UL (cypermethrin / profenfos) at 0.75 litres / feddan (15 / 150 g a.i, respectively / fed) profenfos) for the control of the African bollworm *H. armigera* on cotton.
- 16- Carbomight 25% EC (carbosulfan) + Fenpromight 20 % EC (fenpropathrin) at 0.5 + 0.2 litres / feddan (125 g + 140 g a.i.) for the control of the African bollworm *H. armigera* and aphid *A. gossypii* on cotton.
- 17- Thunder 500 SC (diafenthiuron) + Sergiant 400 EC (profenphos) at 0.252 + 0.5 litres / feddan (126 g + 200 g a.i.) for the control of the African bollworm *H. armigera*, aphid *A. gossypii* and whitefly *B. tabaci* on cotton.
- 18- Mitramight 20 % EC (amitraz) + Thiodan 50% EC (endosulfan) at 1 + 0.75 litres / feddan (200 g + 375 g. a.i.) for the control of the African bollworm *H. armigera*, jassid *J. lybica*, aphid *A. gossypii* and whitefly *B. tabaci* on cotton.
- 19- Petroleum spray oil "D-C Tron Plus" for the control of the leafminer *Phyllocnistis citrella* (Stainton) on citrus.
- 20- Petroleum spray oil "D-C Tron Plus" for the control of the mealybug *Planococcus citri* (Risso) on citrus.
- 21- Furadan 10G (carbofuran) at 1.25 g/seedling (0.125 g a.i.) for the control of the citrus leafminer *P. citrella* (Stainton) on citrus seedlings.
- 22- Evisect 50% SP (thiocyclam hydrogen oxalate) at 0.1% product (0.05% g a.i.) for the control of the citrus leafminer *P. citrella* (Stainton) on citrus seedlings.

- 23- Devimalt 57% EC (Malathion) at 5% product (2.5 g a.i.) for the control of the citrus leafminer *P. citrella* (Stainton) on citrus seedlings.
- 24- Mospilan 200 SL (acetamiprid) at 0.35% product (0.07% g a.i.) for the control of the citrus leafminer *P. citrella* (Stainton) on citrus seedlings.
- 25- Agerin 6.5 WP (32000 IU of *Bacillus thuringiensis* / mg) at 0.625 kg/fed for the control of pod borer *Helicoverpa armigera* on chickpea.
- 26- Tracer 240 SC (*Saccharopolyspora spinosa*) at 0.104 l/f (25 g a. i.) for the control of pod borer *H. armigera* on chickpea.
- 27- Sumicidin 20% EC (fenvalerate) at 0.3 l/f (60 g a.i.) for the control of pod borer *H. armigera* on chickpea.
- 28- Tracer 240 SC (*Saccharopolyspora spinosa*) at 0.188% product for the control of the acacia bagworm *Auchmophila kordofensis*.
- 29- Sumigold 20% EC (esfenvalerate) at 0.56% product, for the control of the acacia bagworm *Auchmophila kordofensis*.
- 30- D-C Tron Plus (petroleum spray oil) at 1.25% product, for the control of the acacia bagworm *A. kordofensis*.
- 31- Agerin (*Bacillus thuringiensis aegypti*) 6.5 WP at 0.5 kg/fed for the control of the African bollworm on cotton.
- 32- Pestban (Chlorpyrifos) 48% EC at 0.75 l/fed (360 g a.i.) for the control of the African bollworm *H. armigera* on cotton.
- 33- Applaud 100EC (Buprofezin) + Calfos 400 EC (Profenofos) at 0.8 + 0.7 l/fed for the control of the African bollworm *H. armigera* and whitefly *B. tabaci* on cotton.
34. Master 70WS (Imidacloprid) at 0.5 g/kg seeds (0.35 g a.i./kg) for the control of the green bug *Schizaphis graminum* on wheat.
35. Vital 70WS (Imidacloprid) at 0.5 g/kg seeds (0.35 g a.i./kg) for the control of the green bug *S. graminum* on wheat.
36. Imidal 70WS (Imidacloprid) at 0.5g/kg seeds (0.35 g a.i./kg) for the control of the green bug *S. graminum* on wheat.
37. Morisban 48%EC (Chlorpyrifos) at 0.125 l/fed (60 g a.i. /fed) for the control of the green bug *S. graminum* on wheat.
38. Sharlchlor 48%EC (Chlorpyrifos) at 0.125 l/fed (60 g a.i. /fed) for the control of the green bug *S. graminum* on wheat.
39. Cloprido 70 WS (imidacloprid) + Tebucon 2% WS (tebuconazole) at 7 + 2 g product / kg seeds (4.9 + 0.04 g a.i.) for the control of the soil born fungi and flea beetles *Podagica puncticolius* and *P. Pallida* on cotton.
40. Imida 70 WS (imidacloprid) + Tebusin 2% WS (tebuconazole) at 7 + 2 g product / kg seeds (4.9 + 0.04 G A.I.) for the control of the soil born fungi and flea beetles *P. puncticolius* and *P. Pallida* on cotton.
41. Apron Star 42% (metalaxyl / difenconazole / thiamethoxam) at 2.5 g product / kg seeds (0.5 / 0.05 and 0.5 g a.i., respectively) for the control of stunt disease on chickpea.

42. Imidal70%WS (imidacloprid) + Defender2% WS (tebuconazole) at 7+2 g product/kg seed (4.9+0.04 g.a.i./kg) against seed-borne pathogens and flea beetles *P. puncticolius* and *P. Pallida* on cotton.
43. Gaucho 600 FS (imidacloprid)+ Raxil 120 FS (tebuconazole) at 8.17 + 0.333 ml product /kg seeds. Against seed-borne pathogens and flea beetles *P. puncticolius* and *P. Pallida* on cotton.

New insect pests reported by Abdalla Tag Elsir Elamin in Sudan

1. The two-spotted spider mite *Tetranychus urticae* (Koch) (Acari: Tetranychidae) on cotton crop. Reported in: the 63rd Meeting of the Pests and Disease Committee, 11 September, 1996. ARC, Wad Medani, and the Sudan journal of Agricultural Research 6: 69-70 (2006).
2. The tomato russet mite (tomato rust mite) *Aculops lycopersici* (Masse) (Acari: Eriophyidae) on tomato crop. Reported in: the 75th Meeting of the Pests and diseases Committee, 20 September, 2006, ARC, Wad Medani, Sudan and the Gezira Journal of Agricultural Science Vol. 4 (2).
3. The sorghum chafer *Pachnoda interrupta* Olivier (Coleoptera: Cetoniidae) on sorghum, millet and sunflower, Reported the 86th Meeting of the Pests and Disease Committee, 20 June, 2012. ARC, Wad Medani, and University of Khartoum Journal of Agricultural Science, 2012, (In press) and Sudan Journal of Agricultural Research, 2012 (In press).
4. The citrus mealybug *Planococcus citri* Risso (Homoptera: Pseudococcidae) on cotton, *Cajanus cajan*, *Arachis hypogaea*, *Corchorus olitorius*, *Xanthium braslicum*, *Solanum dubium*, *Abutilon pannosum*, *Datura stramonium*, *Abelmoschus esculentus*, *Hibiscus cannabinus*, *Loranthus* spp. and *Acacia senegal*.
5. The chafer beetle *Rhinyptia reflexa* Burm. (Coleoptera: Rutelidae) on millet.
6. "Alhalaka" bug, *Stenocephalus pallidus* (Hemiptera: Coreidae) on rainfed sorghum.

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