Acknowledgements

My first and best acknowledgements must go to the farmers in Burkina Faso, Mali and Guinea who participated in this work, freely giving their time, effort and trust in the hope of a better future for their families and their communities. My special thanks go to: Tieba at Kotoura, Traore Sy Issa at Mbie, Andre Ouattara at Sokouraba and Moumouni at Sokoroni.

What we achieved would not have been possible without the experience, skill and genuine dedication of the field staff in CIRDES, Burkina Faso, IER Mali and IRAG, Guinea. I am particularly grateful to the data collectors and animators, including: Vincent Traore, Ismail Sanou, Aboubacar Bengaly, Louis Dena and Sanogo, and to the technicians, including: Bila, Yule, Joany and Wilfred at CIRDES, Diakaridia Diabete, Adi and Yusuf Sanogo in Mali, and to the drivers, including Ibrahim Sanou at CIRDES and Modibo Fane, chauffeur nonpareil, in Mali.

Significant contributions to the data presented in this thesis were made by hardworking and enthusiastic masters and under-graduate students from Burkina Faso and Germany: Dao Dramane, Dabire Der, Heike Himsted, Danni Grubbe and Anna Fahrion. I thank them and wish them well in their future careers!

My sincere thanks go to the project collaborators; especially: in Mali, Dr. Boucadarr Diarra, ULAT and Dr. Algui Djiteye, LCV; in Guinea, Dr. Maurice Nieba ably seconded by his colleagues; and in Burkina Faso, Dr Issa Sidibe. My appreciation also to the project hosts: at CIRDES, Pr. Abdoulaye S. Gouro; at IER, Dr Abdoulaye H. Maiga and in IRAG/DNE, Dr Boye Diallo,

The trypanocide resistance project, including this dissertation work, was funded by German Development Assistance, BMZ/GTZ under Project No. 2001.7860.8-001.00.

People who were only indirectly involved in the project, yet gave unstintingly of their time and assistance, deserve a special acknowledgement: Ouattara Moumouni, the DPRA in Orodara, Baba Fomba the IER representative at Bougouni, and Baba Samake, manditaire at Yanfolila.

I am grateful to Prof Dr. Karl Zessin my supervisor at Berlin, and to the staff and students at the Institute of Parasitology and Tropical Veterinary Medicine who made my stay there a very pleasant one. Special thanks, also, to "mon maitre de stage" at CIRDES, Dr. Issa Sidibe.

The project gave me the chance to work with some truly exceptional people, and I am glad to have this opportunity to acknowledge: the expertise and kindness of Dr. Peter-Henning Clausen, the support and intellectual stimulation of Dr. Thomas Fitz Randolph and the diplomacy and commitment of Dr. Oumar Diall.

Last, but never least, I thank my family and friends for their encouragement and love.