International Conference on Enhanced-Efficiency Fertilizers

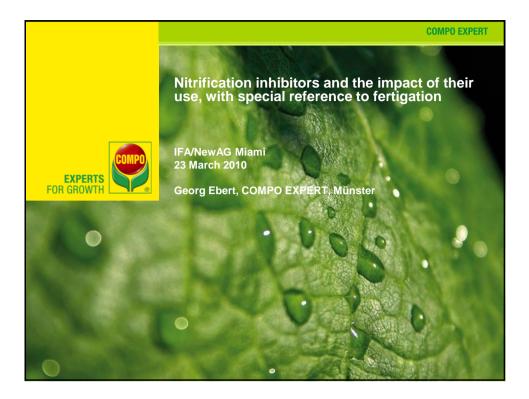
An IFA-New Ag International Event 23-24 March 2010 Hotel Hyatt Regency, Miami, FL, USA

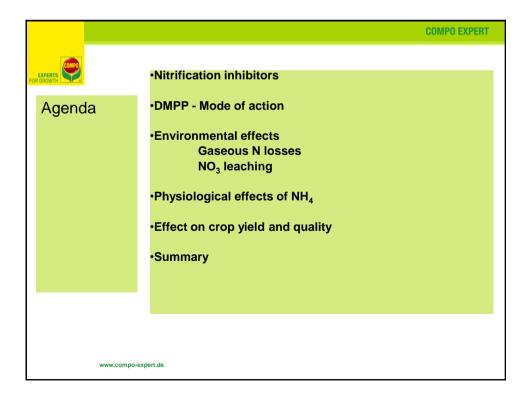
NITRIFICATION INHIBITORS AND THE IMPACT OF THEIR USE, WITH SPECIAL REFERENCE TO FERTIGATION

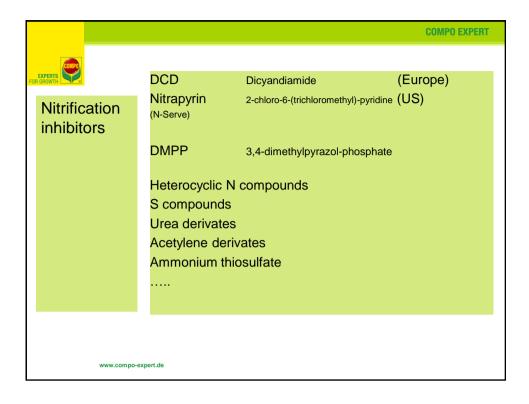
Georg EBERT COMPO EXPERT, Germany

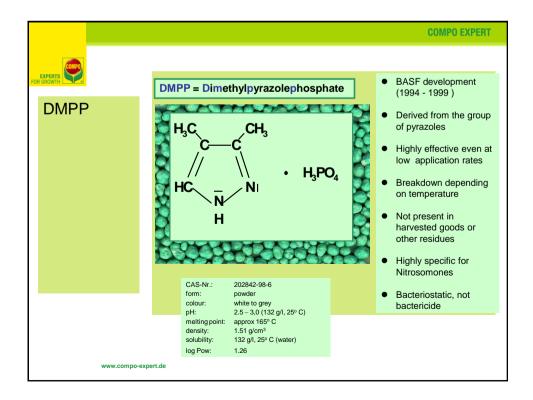


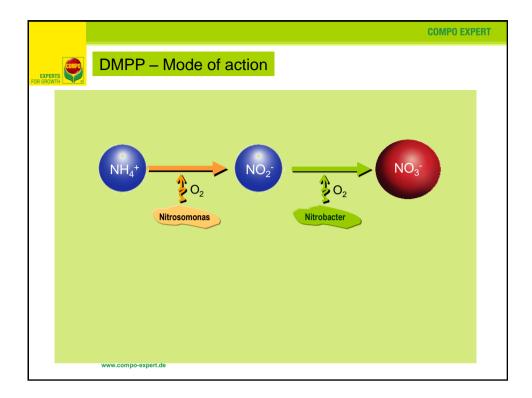


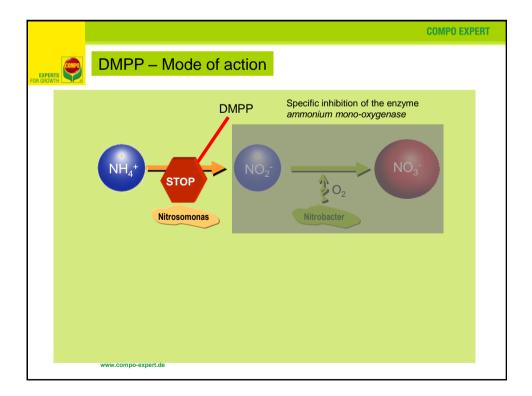


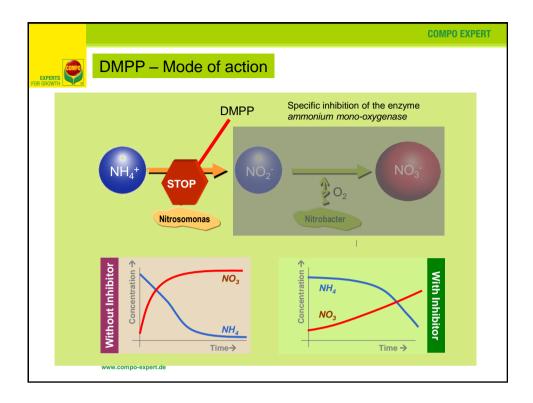


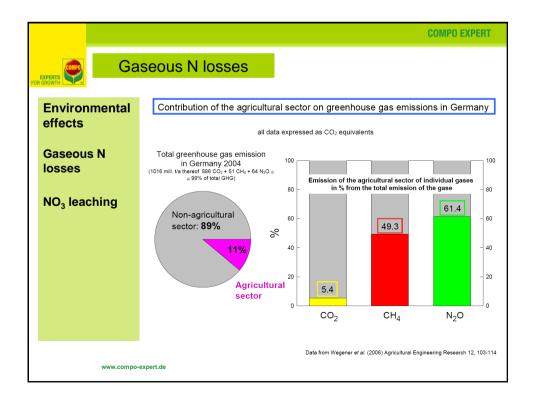


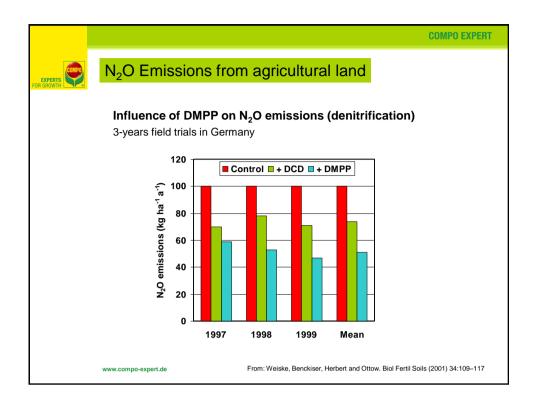


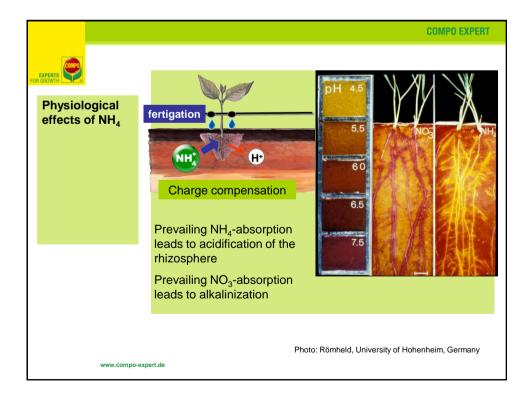


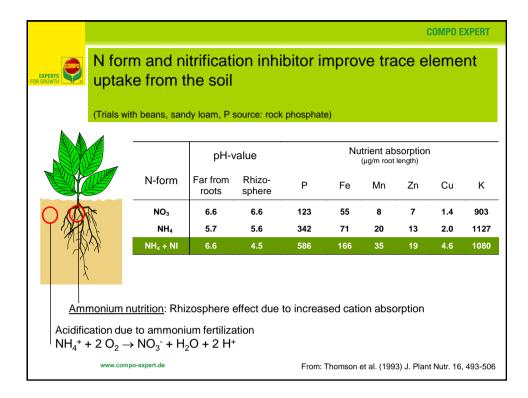




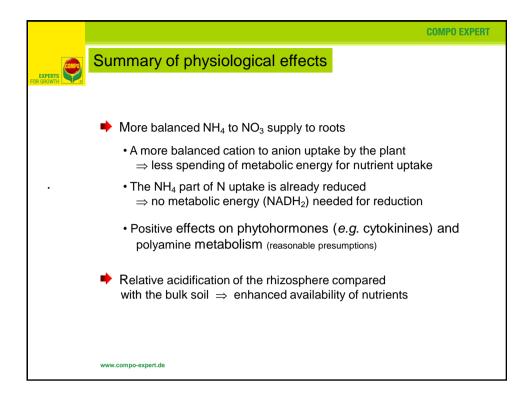




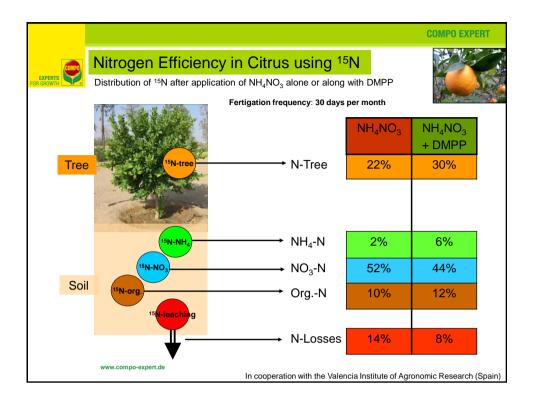


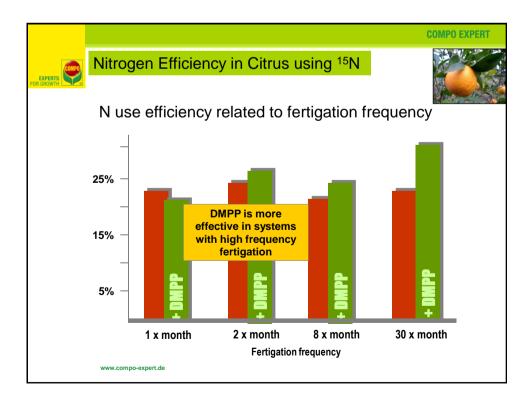


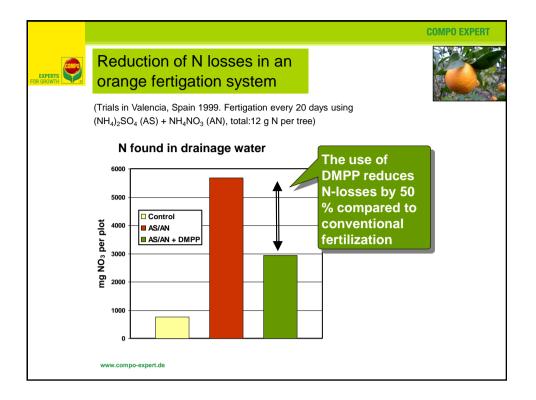
	₄-N improves le trees	cytokinin a	nd flower bud	COMPO EXP
Shoot gro	owth, flower indu	iction and cyte	okinins in xylem	exudate of
	le root stock M7			
Form of N-supply	Shoot length [cm]	shoot (spurs)	buds [% of emerged]	[nmol/100 g shoot fresh wt]
NO ₃ -N	326	6.4	7.4	0.002
NH₄NO₃	268	6.0	8.2	0.373
NH₄-N	209	8.9	20.7	0.830
www.c	compo-expert.de		From: Gao et al. (1992)	J. Amer. Soc. Hort. Sci. 11











Yield increase in clementine trees
(Trials at I.V.I.A, Valencia, Spain, 1998-2001, 500 trees/ha; 400 g N/tree; AS + DMPP 0.5%)
AS+ DMPPAS+ DMPPAS+ DMP4x per week2x per week1x per week1x per
Kg/tree 64 70 69 75 63 70
Fruit weight 103.4 100.0 97.9 97.7 102.3 98.2
No of fruits per tree 618 706 704 777 635 716

