

Contents

1	INTRODUCTION	1
2	FEEDSTUFFS FOR ORGANIC FEEDING	3
	• Cereal Grains and By-products • Supplementary Protein Sources • Other Protein Feedstuffs • Tuber Roots, Their Products and By-products • Enzymes • Forages • Microorganisms • Which Feedstuffs are Best Suited for Feeding the Various Classes of Organic Poultry and Livestock? • Laboratory Analyses of Feedstuffs	
3	FEEDING ORGANIC PIGS	27
	• Organic Feedstuffs for Pigs • Cereal Grains and By-products • Supplementary Protein Sources • Tuber Roots, Their Products and By-products • Forages and Roughages • Feed Materials of Mineral Origin • Vitamins • Enzymes • Microorganisms • Other Additives Approved for Organic Pig Feeding • Digestion and Absorption of Nutrients • Digestibility • Nutrient Requirements • Applying the NAS-NRC Estimates of Requirement to Organically Raised Pigs • Feeding the Breeding Herd • Standards • Feeding Young Pigs • Breeds for Organic Production • Health	
4	FEEDING ORGANIC POULTRY	71
	Organic Feedstuffs for Poultry • Cereal Grains and By-products • Supplementary Protein Sources • Tuber Roots, their Products and By-products • Forages and Roughages • Feed Materials of Mineral Origin • Vitamins • Enzymes • Microorganisms • Other Additives Approved for Organic Poultry Feeding • Digestion and Absorption of Nutrients • Digestibility • Nutrient Requirements • Publications on Nutrient Requirements • Standards for Dietary Formulation • Feeding Organic Poultry • Chickens • Turkeys • Ducks • Geese • Pheasants • Ratites (Ostriches, Emus and Rheas) • Choice Feeding Using Whole Cereal Grains • Forage • Breeds for Organic Production • Nutrition and Health	

5	FEEDING ORGANIC CATTLE AND OTHER RUMINANTS	136
	Digestion and Absorption of Nutrients • Digestion of Carbohydrates • Vitamin Synthesis • Components of Organic Diets for Ruminant Animals • Feed Analysis • Using the Values Obtained from Laboratory Analysis • Other Approved Feed Ingredients • Cereals, Grains, their Products and By-products • Oil Seeds, Oil Fruits, their Products and By-products • Legume Seeds, their Product and By-products • Tuber Roots, their Products and By-products • Nutrient Requirements • Feeding Organic Dairy Cattle • Sheep • Feeding Goats • Breeds for Organic Production • Dairy Cattle • Beef Cattle • Dual- Purpose Cattle Breeds • Sheep Breeds • Goat Breeds • Health	
6	INTEGRATED SYSTEMS	213
	Perspective on Future Developments • Other Considerations for the Future	
	<i>Index</i>	221