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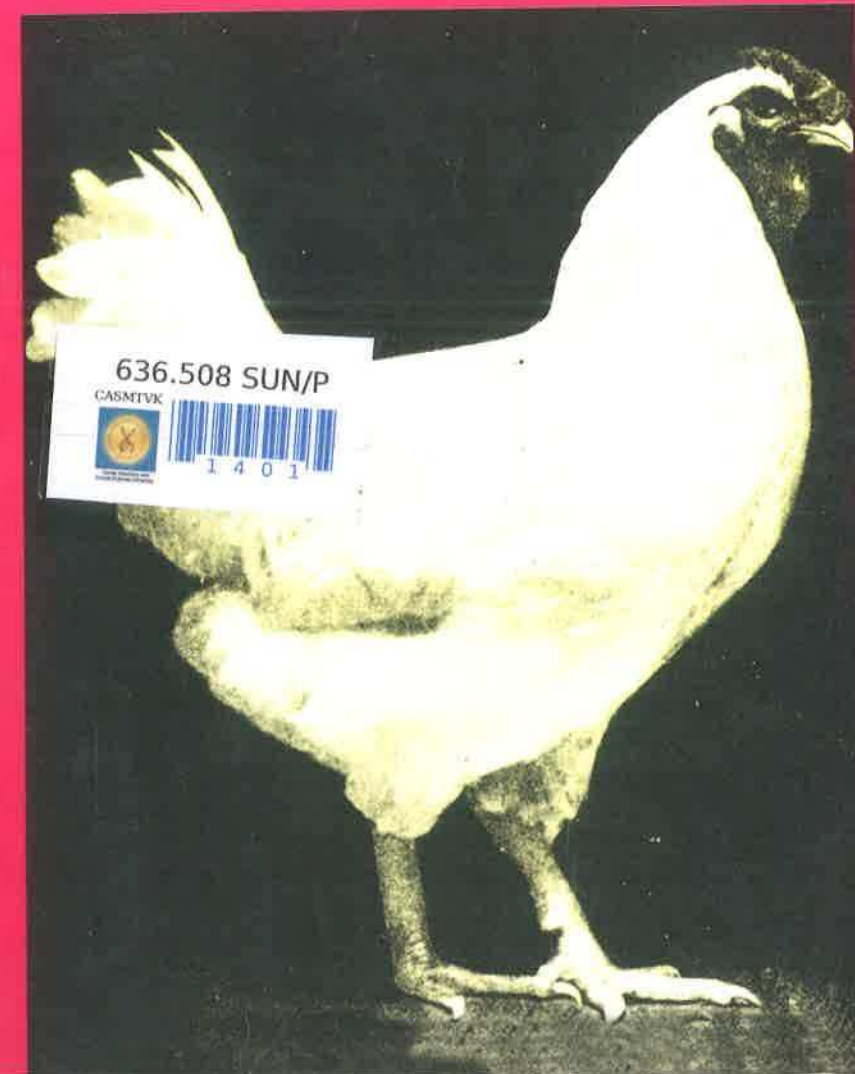
POULTRY PRODUCTION

DAS



POULTRY PRODUCTION

SUNIL KUMAR DAS



POULTRY PRODUCTION

BY

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PREFACE

Poultry is one of the most important disciplines of Animal Husbandry and Veterinary Science. Poultry provides protective food in human nutrition in the form of egg and meat and employment opportunities at various level. Poultry farming has become increasingly popular both in rural and urban areas. It has made tremendous stride and has to an extent taken the shape of an industry. Poultry farming has become very encouraging enterprise in modern India for small farmers, landless labourers and educated unemployed as well as for big entrepreneurs, keeping birds on industrial pattern. Person engaged in poultry production needs sufficient knowledge of poultry rearing. Keeping this fact in mind 'Poultry Production' is published to help the under graduate and post graduate students of different agricultural and veterinary colleges and also for the extension workers, poultry farmers and those who are going to adopt the poultry farming. In this book, I do not claim credit for any original contribution on the subject. Rather it should be viewed as a concise collection of various topic from different books, bulletins, journals, scientific paper etc dealing with poultry production.

The author feels proud to express his deep sense of indebtedness and gratitude to his respected teacher Dr. R.K. Ghosh, Professor, Dr. A.K. Chakraborty, Reader and Head and Dr. T.K. Mondal, Lecturer, Department of Pharmacology and Toxicology, Faculty of Veterinary and Animal Sciences, Bidhan Chandra Krishi Viswa Vidyalaya, Nadia, West Bengal for their guidance, kind help and constructive criticism during the preparation of this manuscript.

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'SUDHIR BHAWAN'

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SUNIL KUMAR DAS

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| <i>Viral diseases</i> : Ranikhet disease, Fowl Pox, Marek's disease, Avian monocytosis, Avian encephalomyelitis, infectious bronchitis, infectious bursitis. | |
| <i>Bacterial diseases</i> : Pullorum disease, Chronic Respiratory disease, Fowl cholera, Fowl Typhoid. | |
| <i>Fungal diseases</i> : Pullorum disease, Chronic Respiratory disease, Fowl cholera, Fowl Typhoid. | |
| <i>Fungal diseases</i> : Aspergillosis, Favous, Thrush. | |
| <i>Protozoal diseases</i> : Coccidiosis | |
| <i>Parasitic diseases</i> : | |
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| Ingredients | Starter (0-3 weeks) | Grower (4-5 weeks) | Layer/ breeder/adult |
|-----------------------------------|------------------------|-----------------------|-------------------------|
| Pantothenic acid (mg/kg diet) | 60 | 60 | 60 |
| Pyridoxine (mg/kg diet) | 6 | 6 | 6 |
| Biotin (mg/kg diet) | 0.2 | 0.2 | 0.2 |
| Folic acid (mg/kg diet) | 3,000 | 3,000 | 3,000 |
| Amino acids : | | | |
| Arginine (% diet) | 1.57 | 1.39 | 0.99 |
| Glycine (% diet) | 1.44 | 1.28 | - |
| Histidine (% diet) | 0.55 | 0.48 | 0.37 |
| Isoleucine (% diet) | 1.08 | 0.96 | 0.88 |
| Leucine (% diet) | 1.89 | 1.68 | 1.43 |
| Lysine (% diet) | 1.40 | 1.24 | 0.74 |
| Methionine + Cystine (% diet) | 0.76 | 0.67 | 0.62 |
| Phenylalanine + Tyrosine (% diet) | 1.81 | 1.61 | 1.17 |
| Threonine (% diet) | 1.0 | 0.89 | 0.64 |
| Tryptophan (% diet) | 0.27 | 0.24 | 0.18 |
| Valine (% diet) | 1.19 | 1.06 | 0.88 |

Source : Poultry Production (1989), by B. Panda and S.C. Mahapatra, Published by Indian Council of Agricultural research, New-Delhi-110012.

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