

Cambridge University Press 978-1-107-61948-7 - Analytic Studies in Plant Respiration By the Late F. F. Blackman Table of Contents More information

CONTENTS

Frontispiece: F. F. BLACKMAN

| Prefac | e | p . \mathbf{v} i |
|---|--|----------------------|
| I | The respiration of a population of senescent ripening apples | 1 |
| II | The respiration of apples in nitrogen and its relation to respiration in air | 29 |
| Ш | Formulation of a catalytic system for the respiration of apples and its relation to oxygen | 55 |
| IV | Formulation of the effects of low oxygen supply upon carbon dioxide production in apples $$ | 82 |
| V | The analysis of respiratory metabolism by the intensive study of 'air ratios' | 106 |
| VI | The metabolic interpretation of the observed rates of carbon dioxide production $% \left(1\right) =\left(1\right) \left(1\right) \left$ | 126 |
| VII | Examination of the physiological determinants of carbon dioxide production by apples in low concentrations of oxygen | 136 |
| VIII | The physiological determinants of carbon dioxide production by apples in low concentrations of oxygen | 157 |
| IX | The interaction of factors controlling respiration and fermentation in the higher plants | 189 |
| Appen | dix I. Records of the primary data analysed in the nine papers | 218 |
| Appendix II. List of names of research students of F. F. Blackman | | 230 |