

CONTENTS

Section I. The Meaning and Measurement of Texture

1. THE MEANING AND IMPORTANCE OF TEXTURE IN FOODS	3
2. MEASURING FOOD TEXTURE	12

Section II. Types of Texture in Foods

3. LIQUID FOODS	41
4. GELS	53
5. FIBERS	86
6. TEXTURE DETERMINANTS CELL AGGREGATES	104
7. UNCTUOUS FOODS	126
8. FRIABLE FOODS	143
9. GLASSY STRUCTURED FOODS	153
10. FOAMS AND SPONGES	163

Section III. Effects of Processing Methods on Food Texture

11. BLANCHING, COOKING, AND CANNING	177
12. FREEZING	192
13. DEHYDRATION	206
14. RADIATION	223
15. CHEMICAL AND OSMOTIC PROCESSING METHODS	235

Section IV. Spontaneous Changes Affecting the Texture of Foods

16. EFFECTS OF PHYSICAL CHANGES	249
17. EFFECTS OF NON-ENZYMATIC CHEMICAL CHANGES	262
18. EFFECT OF ENZYMATIC REACTIONS	268
INDEX	283