CHAPTER I

ANALYSIS AND PROSPECTS FOR THE DEVELOPMENT OF PRECSION AGRICULTURE IN EAST KAZAKHSTAN

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1. INTRODUCTION

Agriculture is one of the most important sectors of the economy, as it provides the population with food, raw materials for some industries (Kalykova, 2020). Food security of the State depends on agriculture. Therefore, the competitiveness of the agricultural sector directly depends on both the technical equipment of agricultural enterprises and the introduction of innovative digital technologies in the industry.

The agricultural sector is becoming more high-tech: information comes from devices located in the field, on the farm, from sensors, agricultural machinery, weather stations, satellites, drones. Data is collected in one place from different participants of production processes and formed into a single information field, allowing to make the right decisions that minimize risks and increase the profitability of agricultural production (Sologub et al., 2020). Therefore, digital technologies are playing an increas-

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