highPHlevel_{fertilizers} SL CH TR 3. TRIGGERS TO ACT 10. YOUR SOLUTION 8. CHANNELS of BEHAVIOR ONLINE Usingdifferentplatforms/socialmedia Moisture sensor interfaced withArduinoMicrocontroller to By seeing surrounding cropland with Extract online & offline CH of BE measure the moisture level in soil and relay isused toturn ON to describe the working and uses of installing machineries. and OFF the motorpump for managing the excess water level. · Hearing aboutinnovativetechnologies smart crop protection device. It will be updated to authorities through IOT. andeffective solutions. Temperature sensor connected to microcontroller is used to monitor the temperature inthe field. The optimum EM OFFLINE 4. EMOTIONS BEFORE / AFTER temperature required for crop cultivation is maintained using IOT basedfertilizingmethodsare followed to minimize the Mentalfrustrations due to insufficient Giving awarenes among farmers negative effects on growth of crops while using fertilizers about the application of the device. production of crops. · Felt smart enough to follow the available Image processing techniques with IOT is followed forcrop technologies with minimum cost. protection agains animalattacks.