**SEASONAL CLIMATE OUTLOOK & ADVISORY**
August 2019 — January 2020

### CLIMATE OUTLOOK SUMMARY

- A transition from El Niño to ENSO-neutral is expected in August 2019;
- ENSO-neutral is favored to emerge in September 2019 until the first quarter of 2020.

### WEATHER SYSTEMS THAT MAY AFFECT BICOL REGION

- Severe Local Thunderstorms, Southwest Monsoon (Habagat), Easterlies, ITCZ, LPAx, Tropical Cyclones, Transition from SW to NE Monsoon Season, Tail End of cold front NE Monsoon

### IMPACT OUTLOOKS

- **Above normal rainfall in the month of August and December** is conducive for crop establishment especially in upland and rainfed areas that experienced delayed planting due to El Niño.
- **Forecast rainfall in (mm)** though near normal in the month of September is still high and may affect the rice areas in flowering stage. Occurrence of white heads can be observed.
- The wet condition succeeding the El Niño may cause **disease and pest outbreak** in crops (fungal diseases) and respiratory, increased parasitism in livestock and poultry. For the month of August, an alternate staple during lean months.
- **During rainy season** maintain the correct carrying capacity in stocking: Crabs (1,000/ha); Shrimp (100,000/ha); Pigs (2,000/ha); Brood newly hatched chicks if hatched in an incubator; or let the chicks go to the hen.
- **Avoid overhead irrigation** when using postharvest machineries such as the trichogramma and earwigs.
- **Repair drainage system** to ensure harvest coincides with dry season. Prior to planting, avail of risk transfer mechanisms such as insurance from PCIC. Insure also the livestock and other farm assets.

### IMPACT-RESILIENT AGRICULTURE PRACTICES

- **PCIC Risk Transfer**: Prior to planting, avail of risk-transfer mechanisms such as insurance from PCIC. Insure also the livestock and other farm assets.
- **Use early maturing, submergence-tolerant and saline-tolerant** varieties to avert yield reduction; Use biological control such as the trichogramma and earwigs.
- **Repair drainage system** to prevent water stagnation.
- **Use of postharvest machineries** (mechanical harvester, chopper, mechanical dryers) to hasten operations. For small areas, use UV plastic as overlay in drying.
- **Changing of cropping calendar** to ensure harvest coincides with dry season.
- **Plant wind breakers**. In areas exposed to strong winds, plant wind breakers such as cacao and ipil-ipil.
- **Cover crops**. Plant indigenous cover crops in sloping areas to improve soil fertility and reduce soil erosion/conservation soil in upland areas.
- **Integrate short-duration crops** (legumes, vegetables, white corn) to improve household food security.
- **Corn silage**. If properly processed, it can be stored for a year to cover the feeds needed by the ruminants.
- **Practice value-adding of vegetables** (e.g. pickles) and native fruits (e.g. nipa fruit). With proper processing, these products can be developed into an enterprise of the household.
- **Seek other potential source of livelihood/food** and or plant crops that can serve as an alternate staple during lean months.
- **Avoid overhead irrigation** during bolting stage for cutflowers. Defoliate the plants to induce flowering.
- **Cut and carry of forages, rotational grazing** and designated evacuation. Plant the forages if hatched in an incubator; or let the chicks go to the hen.
- **Climate information system**: Stay tuned to the weather and climate updates from PAGASA and issuances from the Department of Agriculture.
- **Application of Good Aquaculture Practices**
- **Community-based pest and disease monitoring**. Report to the Regional Crop Protection Center for any observed pest and diseases.

### DA RFO 5 SUPPORT

- Planting materials, other farm inputs (seeds/seedlings, fertilizer and other production support services) and buffering activities.
- Continuous pest and disease surveillance.
- Farm Mechanization support services and Post-harvest facilities and farm operations technical assistance.
- Climate-information services.

### FORECAST RAINFALL ANALYSIS

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