



Department of Agriculture  
BUREAU OF SOILS AND WATER MANAGEMENT  
"SOIL HEALTH ASSESSMENT - NATIONAL SOIL SAMPLING AND TESTING FOR CORN GROWING AREAS"  
FERTILIZER-GUIDE FOR CORN  
PROVINCE OF BUKIDNON

| Barangay                 | Farmer Representative         | Fertilizer-Guide Group |             | Additional 10-20 bags/ha Organic Fertilizer is recommended for all options |    |                               |  |            |                               |                      |    |                               |   |            |                               |                      |    |                               |  |            |                               |                      |    |    |  |  |  |
|--------------------------|-------------------------------|------------------------|-------------|--|----|-------------------------------|--|------------|-------------------------------|----------------------|----|-------------------------------|---|------------|-------------------------------|----------------------|----|-------------------------------|--|------------|-------------------------------|----------------------|----|----|--|--|--|
|                          |                               |                        |             | HYBRID CORN  |    |                               |  |            |                               |                      |    |                               | OPV CORN (Open-Pollinated Varieties Corn)   |            |                               |                      |    |                               |  |            |                               |                      |    |    |  |  |  |
|                          |                               | WET SEASON             |             |  |    |                               |  | DRY SEASON |                               |                      |    |                               |   | WET SEASON |                               |                      |    |                               |  | DRY SEASON |                               |                      |    |    |  |  |  |
|                          |                               | Number                 | Description | Nutrient Requirement   |    |                               | Recommended Fertilizer Rate (bags/hectare)   |            |                               | Nutrient Requirement |    |                               | Recommended Fertilizer Rate (bags/hectare)  |            |                               | Nutrient Requirement |    |                               | Recommended Fertilizer Rate (bags/hectare)   |            |                               | Nutrient Requirement |    |    | Recommended Fertilizer Rate (bags/hectare)   |  |  |
| N                        | P <sub>2</sub> O <sub>5</sub> |                        |             | K <sub>2</sub> O   | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O   | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O     | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O  | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O     | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O   | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O     |    |    |  |  |  |
| Municipality of Lantapan |                               |                        |             |  |    |                               |  |            |                               |                      |    |                               |   |            |                               |                      |    |                               |  |            |                               |                      |    |    |  |  |  |
| Alanib                   | Ena Yam-Oc                    | 039                    | MH-ML-MH    | 80   | 40 | 30                            | "Complete" Option:<br>(1st Application): 4.25 (14-14-14); 0.5 (46-0-0); 1 (0-18-0);<br>(2nd Application): 1.75 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 0.5 (46-0-0); 1 (0-0-60);<br>(2nd Application): 1.75 (46-0-0);<br>Single Element Option:<br>(1st Application): 1.75 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);<br>(2nd Application): 1.75 (46-0-0); |            |                               | 80                   | 40 | 30                            | "Complete" Option:<br>(1-time Application): 4.25 (14-14-14); 2.25 (46-0-0); 1 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 2 (46-0-0); 1 (0-0-60);<br>Single Element Option:<br>(1-time Application): 3.5 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);          |            |                               | 40                   | 40 | 30                            | "Complete" Option:<br>(1st Application): 3 (14-14-14); 2.25 (0-18-0); 0.5 (0-0-60);<br>(2nd Application): 1 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 1 (0-0-60);<br>(2nd Application): 0.5(46-0-0)<br>Single Element Option:<br>(1st Application): 1 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);<br>(2nd Application): 1 (46-0-0);                     |            |                               | 40                   | 40 | 30 | "Complete" Option:<br>(1-time Application): 4.25 (14-14-14); 0.5 (46-0-0); 1 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 0.5 (46-0-0); 1 (0-0-60);<br>Single Element Option:<br>(1-time Application): 1.75 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);     |  |  |
| Alanib                   | Ralph Julius Paje             | 056                    | H-ML-H      | 60   | 40 | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 1 (46-0-0); 3.75 (0-18-0);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 0.25 (0-0-60);<br>(2nd Application): 1.25 (46-0-0);<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);              |            |                               | 60                   | 40 | 7                             | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 2.5 (46-0-0); 3.75 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 1.25 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60); |            |                               | 20                   | 40 | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 0.25 (46-0-0); 3.75 (0-18-0);<br>(2nd Application): 0.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 0.25 (0-0-60);<br>(2nd Application): 0(46-0-0)<br>Single Element Option:<br>(1st Application): 0.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 0.5 (46-0-0);          |            |                               | 20                   | 40 | 7  | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 0.5 (46-0-0); 3.75 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 1 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);                |  |  |
| Balila                   | Juanito Cardenes              | 031                    | ML-H-MH     | 100  | 0  | 30                            | Single Element Option:<br>(1st Application): 2.25 (46-0-0); 1 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);   |            |                               | 100                  | 0  | 30                            | Single Element Option:<br>(1-time Application): 4.5 (46-0-0); 1 (0-0-60);   |            |                               | 60                   | 7  | 30                            | "Complete" Option:<br>(1st Application): 1 (14-14-14); 1 (46-0-0); 0.75 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 0.75 (16-20-0); 1 (46-0-0); 1 (0-0-60);<br>(2nd Application): 1.5(46-0-0)<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 0.75 (0-18-0); 1 (0-0-60);<br>(2nd Application): 1.5 (46-0-0); |            |                               | 60                   | 7  | 30 | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 2.5 (46-0-0); 0.75 (0-0-60);<br>"AmmoPhos" Option:<br>(1-time Application): 0.75 (16-20-0); 2.5 (46-0-0); 1 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 0.75 (0-18-0); 1 (0-0-60); |  |  |
| Malabok Poblacion        | Juana Dela Peña               | 032                    | ML-H-H      | 100  | 0  | 7                             | Single Element Option:<br>(1st Application): 2.25 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);  |            |                               | 100                  | 0  | 7                             | Single Element Option:<br>(1-time Application): 4.5 (46-0-0); 0.25 (0-0-60);  |            |                               | 60                   | 7  | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 1 (46-0-0);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 0.75 (16-20-0); 1 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 1.5(46-0-0)<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);          |            |                               | 60                   | 7  | 7  | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 2.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1-time Application): 0.75 (16-20-0); 2.5 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);          |  |  |

Application schedule:

1st - at planting  
2nd - knee-high (12-19 inch)

1-time - at planting

Fertilizer materials:  
Complete (14-14-14)  
Urea (46-0-0)  
Ammophos (16-20-0)  
Solophos (0-18-0)  
Muriate of Potash (0-0-60)



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|------------------|-------------------------------|------------------------|--|-------------|----------------------|-------------------------------|---|--|----------------------|-------------------------------|--|--|----------------------|-------------------------------|---|--|----------------------|----|---|--|
|                  |                               |                        | HYBRID CORN  |             |                      |                               |   |  |                      |                               |  | OPV CORN (Open-Pollinated Varieties Corn)  |                      |                               |   |  |                      |    |   |  |
|                  |                               |                        | WET SEASON   |             |                      |                               |   | DRY SEASON                                 |                      |                               |  | WET SEASON                                 |                      |                               |   |  | DRY SEASON           |    |   |  |
|                  |                               |                        | Number   | Description | Nutrient Requirement |                               |   | Recommended Fertilizer Rate (bags/hectare) | Nutrient Requirement |                               |  | Recommended Fertilizer Rate (bags/hectare) | Nutrient Requirement |                               |   | Recommended Fertilizer Rate (bags/hectare) | Nutrient Requirement |    |   | Recommended Fertilizer Rate (bags/hectare) |
| N                | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O       |  |             | N                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O  |  | N                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O   |  | N                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O  |  |                      |    |   |  |
| Zone 1 Kulasihan | Danilo Belican                | 028                    | ML-MH-H  | 100         | 20                   | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 2 (46-0-0); 1.5 (0-18-0);<br>(2nd Application): 2.25 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 2 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);<br>Single Element Option:<br>(1st Application): 2.25 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);  | 100  | 20                   | 7                             | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 4 (46-0-0); 1.5 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 2 (16-20-0); 3.75 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 4.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); | 60   | 20                   | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 1 (46-0-0); 1.5 (0-18-0);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 2 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 1.5(46-0-0)<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 1.5 (46-0-0); | 60   | 20                   | 7  | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 2.5 (46-0-0); 1.5 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 2 (16-20-0); 2 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);    |  |
| Zone 2 Bantuanon | Alberto Alcoser               | 024                    | ML-ML-H  | 100         | 40                   | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 2 (46-0-0); 3.75 (0-18-0);<br>(2nd Application): 2.25 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);<br>Single Element Option:<br>(1st Application): 2.25 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 2.25 (46-0-0); | 100  | 40                   | 7                             | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 4 (46-0-0); 3.75 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 3 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 4.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);    | 60   | 40                   | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 1 (46-0-0); 3.75 (0-18-0);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 4 (16-20-0); 0.25 (0-0-60);<br>(2nd Application): 1.25(46-0-0)<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);               | 60   | 40                   | 7  | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 2.5 (46-0-0); 3.75 (0-18-0);<br>"AmmoPhos" Option:<br>(1-time Application): 4 (16-20-0); 1.25 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60); |  |
| Zone 3 Bugkaon   | Benjamin Caparida             | 027                    | ML-MH-MH   | 100         | 20                   | 30                            | "Complete" Option:<br>(1st Application): 3 (14-14-14); 1.5 (46-0-0); 0.5 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 2 (16-20-0); 1.5 (46-0-0); 1 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);<br>Single Element Option:<br>(1st Application): 2.25 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);<br>(2nd Application): 2.25 (46-0-0);      | 100  | 20                   | 30                            | "Complete" Option:<br>(1-time Application): 3 (14-14-14); 3.5 (46-0-0); 0.5 (0-0-60);<br>"AmmoPhos" Option:<br>(1-time Application): 2 (16-20-0); 3.75 (46-0-0); 1 (0-0-60);<br>Single Element Option:<br>(1-time Application): 4.5 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);     | 60   | 20                   | 30                            | "Complete" Option:<br>(1st Application): 3 (14-14-14); 0.5 (46-0-0); 0.5 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 2 (16-20-0); 0.75 (46-0-0); 1 (0-0-60);<br>(2nd Application): 1.5(46-0-0)<br>Single Element Option:<br>(1st Application): 1.5 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);<br>(2nd Application): 1.5 (46-0-0);     | 60   | 20                   | 30 | "Complete" Option:<br>(1-time Application): 3 (14-14-14); 1.75 (46-0-0); 0.5 (0-0-60);<br>"AmmoPhos" Option:<br>(1-time Application): 2 (16-20-0); 2 (46-0-0); 1 (0-0-60);<br>Single Element Option:<br>(1-time Application): 2.75 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);         |  |
| Zone 3 Kulasihan | Judi Belican                  | 048                    | MH-H-H   | 80          | 0                    | 7                             | Single Element Option:<br>(1st Application): 1.75 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 1.75 (46-0-0);   | 80   | 0                    | 7                             | Single Element Option:<br>(1-time Application): 3.5 (46-0-0); 0.25 (0-0-60);   | 40   | 7                    | 7                             | "Complete" Option:<br>(1st Application): 1 (14-14-14); 0.5 (46-0-0);<br>(2nd Application): 1 (46-0-0);<br>"AmmoPhos" Option:<br>(1st Application): 0.75 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60);<br>(2nd Application): 1(46-0-0)<br>Single Element Option:<br>(1st Application): 1 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);<br>(2nd Application): 1 (46-0-0);                  | 40   | 7                    | 7  | "Complete" Option:<br>(1-time Application): 1 (14-14-14); 1.5 (46-0-0);<br>"AmmoPhos" Option:<br>(1-time Application): 0.75 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60);<br>Single Element Option:<br>(1-time Application): 1.75 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);             |  |

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1st - at planting  
2nd - knee-high (12-19 inch)

1-time - at planting

Fertilizer materials:  
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Urea (46-0-0)  
AmmonoPhos (16-20-0)  
Solophos (0-18-0)  
Muriate of Potash (0-0-60)