



**Sistema de costos agrícolas**  
**Resumen de costos**

Cultivo: **FRIJOL**  
Zona: **AGENCIAS DE SINALOA**  
Modalidad: **TRADICIONAL**

Ciclo: **OI 2021-2022**  
Tecnología: **GMF**  
Estatus de este reporte: **Autorizado**

| Capítulo                            | Costos          |                |                 | jornales    | Desglose mensual de los costos financieros |                 |              |                |                |                |                |            |            |            |            |            |
|-------------------------------------|-----------------|----------------|-----------------|-------------|--|-----------------|--------------|----------------|----------------|----------------|----------------|------------|------------|------------|------------|------------|
|                                     | Financiable     | No financ.     | Total           |             | ago.-2021                                  | sep.2021        | oct.-2021    | nov.-2021      | dic.-2021      | ene.-2022      | feb.-2022      | mar.-2022  | abr.-2022  | may.-2022  | jun.-2022  | jul.-2022  |
| PREPARACIÓN DEL TERRENO             | \$3,111         | \$710          | \$3,821         | 1.15        | \$3,111                                    | \$0             | \$0          | \$0            | \$0            | \$0            | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| SIEMBRA                             | \$5,011         | \$180          | \$5,191         | 0.27        | \$0  | \$5,011         | \$0          | \$0            | \$0            | \$0            | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| FERTILIZACIÓN                       | \$7,169         | \$277          | \$7,446         | 0.16        | \$0  | \$3,408         | \$0          | \$1,595        | \$2,166        | \$0            | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| LABORES CULTURALES                  | \$1,152         | \$190          | \$1,343         | 1.36        | \$0  | \$0             | \$519        | \$0            | \$333          | \$300          | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| RIEGOS                              | \$1,975         | \$0            | \$1,975         | 1.75        | \$1,500                                    | \$225           | \$0          | \$125          | \$125          | \$0            | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| CONTROL DE PLAGAS, MALEZAS Y ENFERM | \$1,685         | \$150          | \$1,835         | 0.10        | \$0  | \$0             | \$0          | \$513          | \$738          | \$434          | \$0            | \$0        | \$0        | \$0        | \$0        | \$0        |
| COSECHA, SELECCIÓN Y EMPAQUE        | \$3,888         | \$487          | \$4,375         | 2.17        | \$0  | \$0             | \$0          | \$0            | \$0            | \$1,387        | \$2,501        | \$0        | \$0        | \$0        | \$0        | \$0        |
| DIVERSOS                            | \$3,125         | \$510          | \$3,635         | 0.00        | \$100                                      | \$2,525         | \$0          | \$400          | \$0            | \$0            | \$100          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>Total:</b>                       | <b>\$27,116</b> | <b>\$2,504</b> | <b>\$29,620</b> | <b>6.96</b> | <b>\$4,711</b>                             | <b>\$11,169</b> | <b>\$519</b> | <b>\$2,632</b> | <b>\$3,362</b> | <b>\$2,121</b> | <b>\$2,601</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

| Ministración | Fecha     | Financiable     | Hasta 160,000 UDIS |                |                |                |                 | Mayor a 160,000 UDIS |                |                |                |                 |
|--------------|-----------|-----------------|--------------------|----------------|----------------|----------------|-----------------|----------------------|----------------|----------------|----------------|-----------------|
|              |           |                 | Crédito            | Aportación     | Intereses      | No Financ.     | Total           | Crédito              | Aportación     | Intereses      | No Financ.     | Total           |
| 1            | ago.-2021 | \$16,399        | \$14,700           | \$1,699        | \$1,343        | \$1,102        | \$18,845        | \$13,070             | \$3,329        | \$1,242        | \$1,102        | \$18,743        |
| 2            | nov.-2021 | \$5,995         | \$5,370            | \$625          | \$319          | \$405          | \$6,719         | \$4,770              | \$1,225        | \$295          | \$405          | \$6,695         |
| 3            | ene.-2022 | \$4,722         | \$4,230            | \$492          | \$162          | \$997          | \$5,881         | \$3,760              | \$962          | \$150          | \$997          | \$5,869         |
|              |           | <b>\$27,116</b> | <b>\$24,300</b>    | <b>\$2,816</b> | <b>\$1,824</b> | <b>\$2,504</b> | <b>\$31,445</b> | <b>\$21,600</b>      | <b>\$5,516</b> | <b>\$1,686</b> | <b>\$2,504</b> | <b>\$31,307</b> |

| Etapa       | del          | al           |
|-------------|--------------|--------------|
| Siembra:    | 15-sep.-2021 | 15-nov.-2021 |
| Cosecha:    | 15-ene.-2022 | 28-feb.-2022 |
| Vencimiento | 21-abr.-2022 |              |

|                        |          |
|------------------------|----------|
| Rendim. Prob. (ton/ha) | 2.00     |
| Precio Prob. (\$/ton)  | \$18,000 |
| Ingreso Prob. (\$/ha): | \$36,000 |

|                              |          |
|------------------------------|----------|
| Costo total (\$)             | \$31,307 |
| Utilidad Prob. (\$/ha)       | \$4,693  |
| Costo unitario (\$/ton)      | \$15,653 |
| Punto de equilibrio (ton/ha) | 1.74     |

|                               |      |
|-------------------------------|------|
| Producción (ton) para cubrir: |      |
| Avio + intereses              | 1.29 |
| Costo directo                 | 1.51 |

|                        |     |
|------------------------|-----|
| Ingresos por subsidios | \$0 |
|------------------------|-----|

| Valor de la tierra   |           |
|----------------------|-----------|
| Compra-venta (\$/ha) | \$300,000 |
| Renta (\$/ha)        | \$12,000  |
| Renta (\$/ha/ciclo)  | \$9,000   |

**Comentarios:**

Costo de producción de frijol con labranza tradicional, riego por gravedad y uso de semillas certificadas (variedad azufrado higuera y reina).  
Para administrar los riesgos implícitos en la actividad primaria, se incluyen recursos para la contratación de seguro agrícola a la inversión y para supervisión de campo.  
El precio estimado se derivó del promedio pagado al productor por las cosechas de los últimos 5 años (\$18,092/ton).  
La estimación del costo de producción contempla el uso de maquinaria agrícola y terrenos propios.  
El acreditado deberá cubrir con sus recursos los posibles incrementos inflacionarios y los costos adicionales que en su caso pudieran presentarse.

| Ministración | Cubre costos |           |
|--------------|--------------|-----------|
|              | de           | a         |
| Primera      | ago.-2021    | oct.-2021 |
| Segunda      | nov.-2021    | dic.-2021 |
| Tercera      | ene.-2022    | feb.-2022 |
| Cuarta       |              |           |

Responsable de la elaboración:  
Armando Carrillo

Autorizado por:  
José Luis Alcantar Figueroa

**NOTA:**

Es necesario precisar que los datos contenidos en el sistema AGROCOSTOS son de carácter informativo y están destinados a estimar cuotas de crédito de diversos cultivos para aquellas empresas que lleguen a solicitar financiamiento con recursos fondeados por FIRA. Los datos sobre los costos de producción reportados provienen de un número reducido de observaciones, y, por lo tanto, no deben considerarse como estadísticamente representativos de los costos de producción nacionales, estatales, por cultivo, tecnología o ciclo productivo correspondiente. El uso para otros fines no es responsabilidad de FIRA.

| Capítulo / Artículo            | Cant | Unid | Veces | Costos      |            |         | jornales | Desglose mensual de los costos financieros |           |           |           |           |           |           |           |           |           |           |           |
|--------------------------------|------|------|-------|-------------|------------|---------|----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                |      |      |       | Financiable | No financ. | Total   |          | ago.-2021                                  | sep.-2021 | oct.-2021 | nov.-2021 | dic.-2021 | ene.-2022 | feb.-2022 | mar.-2022 | abr.-2022 | may.-2022 | jun.-2022 | jul.-2022 |
| <b>PREPARACIÓN DEL TERRENO</b> |      |      |       |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| limpia de canales              | 0.5  | jor  | 1     | \$125       | \$0        | \$125   | 0.50     | \$125                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| barbecho                       | 1    | ha   | 1     | \$829       | \$209      | \$1,038 | 0.14     | \$829                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| rastro                         | 1    | ha   | 2     | \$707       | \$194      | \$901   | 0.19     | \$707                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| empareje                       | 1    | ha   | 1     | \$405       | \$77       | \$481   | 0.11     | \$405                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| bordeo y canalización          | 1    | ha   | 1     | \$179       | \$35       | \$215   | 0.05     | \$179                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| surcado                        | 1    | ha   | 1     | \$333       | \$75       | \$408   | 0.06     | \$333                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| escarificación                 | 1    | ha   | 1     | \$371       | \$88       | \$460   | 0.06     | \$371                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| tumba de b y c                 | 1    | ha   | 1     | \$161       | \$32       | \$193   | 0.05     | \$161                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Subtotales:                    |      |      |       | \$3,111     | \$710      | \$3,821 | 1.15     | \$3,111                                    | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| <b>SIEMBRA</b>                 |      |      |       |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| semilla de frijol              | 100  | kg   | 1     | \$4,500     | \$0        | \$4,500 | 0.00     | \$0  | \$4,500   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| ayudante de siembra            | 0.2  | jor  | 1     | \$50        | \$0        | \$50    | 0.20     | \$0  | \$50      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| carga y descarga               | 0.1  | ton  | 1     | \$12        | \$0        | \$12    | 0.00     | \$0  | \$12      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| flete de semilla               | 0.1  | ton  | 1     | \$15        | \$0        | \$15    | 0.00     | \$0  | \$15      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| siembra de precisión           | 1    | ha   | 1     | \$434       | \$180      | \$614   | 0.07     | \$0  | \$434     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Subtotales:                    |      |      |       | \$5,011     | \$180      | \$5,191 | 0.27     | \$0  | \$5,011   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| <b>FERTILIZACIÓN</b>           |      |      |       |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| urea                           | 100  | kg   | 1     | \$1,250     | \$0        | \$1,250 | 0.00     | \$0  | \$0       | \$0       | \$1,250   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| 11-52-00 map                   | 180  | kg   | 1     | \$2,988     | \$0        | \$2,988 | 0.00     | \$0  | \$2,988   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| amoniaco anhidro 82 00 00      | 100  | kg   | 1     | \$1,550     | \$0        | \$1,550 | 0.00     | \$0  | \$0       | \$0       | \$0       | \$1,550   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| carga y descarga               | 0.28 | ton  | 1     | \$34        | \$0        | \$34    | 0.00     | \$0  | \$34      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| flete fertilizante             | 0.28 | ha   | 1     | \$42        | \$0        | \$42    | 0.00     | \$0  | \$42      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| micronutrientes                | 3    | lt   | 1     | \$330       | \$0        | \$330   | 0.00     | \$0  | \$0       | \$0       | \$0       | \$330     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| aplicación terrestre           | 1    | ha   | 1     | \$286       | \$75       | \$361   | 0.05     | \$0  | \$0       | \$0       | \$0       | \$286     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| fertilización en surcos        | 1    | ha   | 1     | \$345       | \$101      | \$446   | 0.06     | \$0  | \$345     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| fertilización en surcos        | 1    | ha   | 1     | \$345       | \$101      | \$446   | 0.06     | \$0  | \$0       | \$0       | \$345     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Subtotales:                    |      |      |       | \$7,169     | \$277      | \$7,446 | 0.16     | \$0  | \$3,408   | \$0       | \$1,595   | \$2,166   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |

| Capítulo / Artículo                              | Cant | Unid | Veces       | Costos      |            |         | jornales | Desglose mensual de los costos financieros |           |           |           |           |           |           |           |           |           |           |           |
|--|------|------|-------------|-------------|------------|---------|----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|  |      |      |             | Financiable | No financ. | Total   |          | ago.-2021                                  | sep.-2021 | oct.-2021 | nov.-2021 | dic.-2021 | ene.-2022 | feb.-2022 | mar.-2022 | abr.-2022 | may.-2022 | jun.-2022 | jul.-2022 |
| <b>LABORES CULTURALES</b>                        |      |      |             |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| abrir surco                                      | 1    | ha   | 1           | \$340       | \$77       | \$417   | 0.06     | \$0  | \$0       | \$340     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| cultivo  | 1    | ha   | 1           | \$333       | \$79       | \$412   | 0.06     | \$0  | \$0       | \$0       | \$0       | \$333     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| deshierbe manual                                 | 1.2  | jor  | 1           | \$300       | \$0        | \$300   | 1.20     | \$0  | \$0       | \$0       | \$0       | \$0       | \$300     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| canalización                                     | 1    | ha   | 1           | \$179       | \$35       | \$214   | 0.05     | \$0  | \$0       | \$179     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
|  |      |      | Subtotales: | \$1,152     | \$190      | \$1,343 | 1.36     | \$0  | \$0       | \$519     | \$0       | \$333     | \$300     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| <b>RIEGOS</b>                                    |      |      |             |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| riego de auxilio                                 | 0.5  | jor  | 1           | \$125       | \$0        | \$125   | 0.50     | \$0  | \$0       | \$0       | \$125     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| riego de auxilio                                 | 0.5  | jor  | 1           | \$125       | \$0        | \$125   | 0.50     | \$0  | \$0       | \$0       | \$0       | \$125     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| riego de asiento                                 | 0.75 | jor  | 1           | \$225       | \$0        | \$225   | 0.75     | \$0  | \$225     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| cuota agua frijol                                | 1    | ha   | 1           | \$1,500     | \$0        | \$1,500 | 0.00     | \$1,500                                    | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
|  |      |      | Subtotales: | \$1,975     | \$0        | \$1,975 | 1.75     | \$1,500                                    | \$225     | \$0       | \$125     | \$125     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| <b>CONTROL DE PLAGAS, MALEZAS Y ENFERMEDADES</b> |      |      |             |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| aplicación terrestre                             | 1    | ha   | 1           | \$286       | \$75       | \$361   | 0.05     | \$0  | \$0       | \$0       | \$0       | \$286     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| aplicación terrestre                             | 1    | ha   | 1           | \$286       | \$75       | \$361   | 0.05     | \$0  | \$0       | \$0       | \$286     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| metamidofos                                      | 1    | lt   | 1           | \$430       | \$0        | \$430   | 0.00     | \$0  | \$0       | \$0       | \$0       | \$430     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| dimetoato  | 1    | lt   | 1           | \$205       | \$0        | \$205   | 0.00     | \$0  | \$0       | \$0       | \$205     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| adherente  | 0.2  | lt   | 1           | \$21        | \$0        | \$21    | 0.00     | \$0  | \$0       | \$0       | \$21      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| adherente  | 0.2  | lt   | 1           | \$21        | \$0        | \$21    | 0.00     | \$0  | \$0       | \$0       | \$0       | \$21      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| aplicación aérea                                 | 1    | ha   | 1           | \$380       | \$0        | \$380   | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$380     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| adherente  | 0.2  | lt   | 1           | \$21        | \$0        | \$21    | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$21      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| sulfato de cobre pentahidratado                  | 0.3  | lt   | 1           | \$33        | \$0        | \$33    | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$33      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
|  |      |      | Subtotales: | \$1,685     | \$150      | \$1,835 | 0.10     | \$0  | \$0       | \$0       | \$513     | \$738     | \$434     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| <b>COSECHA, SELECCIÓN Y EMPAQUE</b>              |      |      |             |             |            |         |          |  |           |           |           |           |           |           |           |           |           |           |           |
| flete de grano                                   | 2    | ton  | 1           | \$240       | \$0        | \$240   | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$240     | \$0       | \$0       | \$0       | \$0       | \$0       |
| tumba de b y c                                   | 1    | ha   | 1           | \$161       | \$32       | \$193   | 0.05     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$161     | \$0       | \$0       | \$0       | \$0       | \$0       |
| trilla de frijol                                 | 1    | ha   | 1           | \$1,500     | \$0        | \$1,500 | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$1,500   | \$0       | \$0       | \$0       | \$0       | \$0       |
| arranque y enchorice                             | 1    | ha   | 1           | \$887       | \$455      | \$1,342 | 0.13     | \$0  | \$0       | \$0       | \$0       | \$0       | \$887     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| cribado y encostado                              | 2    | ton  | 1           | \$600       | \$0        | \$600   | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$600     | \$0       | \$0       | \$0       | \$0       | \$0       |
| volteado de chorizos                             | 2    | jor  | 1           | \$500       | \$0        | \$500   | 2.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$500     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
|  |      |      | Subtotales: | \$3,888     | \$487      | \$4,375 | 2.17     | \$0  | \$0       | \$0       | \$0       | \$0       | \$1,387   | \$2,501   | \$0       | \$0       | \$0       | \$0       | \$0       |



**Sistema de costos agrícolas**  
**Memoria de cálculo**

Cultivo: FRIJOL  
Zona: AGENCIAS DE SINALOA  
Modalidad: TRADICIONAL

Ciclo: OI 2021-2022  
Tecnología: GMF  
Estatus de este reporte: Autorizado

| Capítulo / Artículo      | Cant | Unid | Veces       | Costos      |            |          | jornales | Desglose mensual de los costos financieros |           |           |           |           |           |           |           |           |           |           |           |     |
|--------------------------|------|------|-------------|-------------|------------|----------|----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
|                          |      |      |             | Financiable | No financ. | Total    |          | ago.-2021                                  | sep.-2021 | oct.-2021 | nov.-2021 | dic.-2021 | ene.-2022 | feb.-2022 | mar.-2022 | abr.-2022 | may.-2022 | jun.-2022 | jul.-2022 |     |
| <b>DIVERSOS</b>          |      |      |             |             |            |          |          |  |           |           |           |           |           |           |           |           |           |           |           |     |
| seguro social            | 1    | ha   | 1           | \$25        | \$0        | \$25     | 0.00     | \$0  | \$25      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| seguro agricola frijol   | 1    | ha   | 1           | \$2,500     | \$0        | \$2,500  | 0.00     | \$0  | \$2,500   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| servicios contables      | 1    | ha   | 1           | \$100       | \$0        | \$100    | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$100     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| permiso de siembra       | 1    | ha   | 1           | \$100       | \$0        | \$100    | 0.00     | \$100                                      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| gastos de administracion | 1    | ha   | 1           | \$200       | \$0        | \$200    | 0.00     | \$0  | \$0       | \$0       | \$200     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| supervisión de campo     | 1    | ha   | 1           | \$200       | \$0        | \$200    | 0.00     | \$0  | \$0       | \$0       | \$200     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| impuestos frijol         | 1    | ha   | 1           | \$0         | \$510      | \$510    | 0.00     | \$0  | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
|                          |      |      | Subtotales: | \$3,125     | \$510      | \$3,635  | 0.00     | \$100                                      | \$2,525   | \$0       | \$400     | \$0       | \$0       | \$100     | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |
| <b>Totales:</b>          |      |      |             | \$27,116    | \$2,504    | \$29,620 | 6.96     | \$4,711                                    | \$11,169  | \$519     | \$2,632   | \$3,362   | \$2,121   | \$2,601   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0 |

NOTA:

Es necesario precisar que los datos contenidos en el sistema AGROCOSTOS son de carácter informativo y están destinados a estimar cuotas de crédito de diversos cultivos para aquellas empresas que lleguen a solicitar financiamiento con recursos fondeados por FIRA. Los datos sobre los costos de producción reportados provienen de un número reducido de observaciones, y, por lo tanto, no deben considerarse como estadísticamente representativos de los costos de producción nacionales, estatales, por cultivo, tecnología o ciclo productivo correspondiente. El uso para otros fines no es responsabilidad de FIRA.



**Sistema de costos agrícolas** Cultivo: FRIJOL  
**Análisis de sensibilidad** Zona: AGENCIAS DE SINALOA  
 Modalidad: TRADICIONAL

Ciclo: OI 2021-2022  
 Tecnología: GMF  
 Estatus de este reporte: Autorizado

| Variables                |          |
|--------------------------|----------|
| Rendimiento (ton/ha)     |          |
| Mínimo                   | 1.0      |
| Probable                 | 2.0      |
| Máximo                   | 3.0      |
| Precio de venta (\$/ton) |          |
| Mínimo                   | \$12,500 |
| Probable                 | \$18,000 |
| Máximo                   | \$25,000 |

|                      |     | UTILIDAD (\$/ha)         |           |           |                 |           |          |          |
|----------------------|-----|--------------------------|-----------|-----------|-----------------|-----------|----------|----------|
|                      |     | Precio de venta (\$/ton) |           |           |                 |           |          |          |
| Rendimiento (ton/ha) |     | \$12,500                 | \$14,330  | \$16,170  | <b>\$18,000</b> | \$20,330  | \$22,670 | \$25,000 |
| 1.0                  | 1.0 | -\$18,807                | -\$16,977 | -\$15,137 | -\$13,307       | -\$10,977 | -\$8,637 | -\$6,307 |
| 1.3                  | 1.3 | -\$14,640                | -\$12,200 | -\$9,747  | -\$7,307        | -\$4,200  | -\$1,080 | \$2,027  |
| 1.7                  | 1.7 | -\$10,473                | -\$7,423  | -\$4,357  | -\$1,307        | \$2,577   | \$6,477  | \$10,360 |
| 2.0                  | 2.0 | -\$6,307                 | -\$2,647  | \$1,033   | <b>\$4,693</b>  | \$9,353   | \$14,033 | \$18,693 |
| 2.3                  | 2.3 | -\$2,140                 | \$2,130   | \$6,423   | \$10,693        | \$16,130  | \$21,590 | \$27,027 |
| 2.7                  | 2.7 | \$2,027                  | \$6,907   | \$11,813  | \$16,693        | \$22,907  | \$29,147 | \$35,360 |
| 3.0                  | 3.0 | \$6,193                  | \$11,683  | \$17,203  | \$22,693        | \$29,683  | \$36,703 | \$43,693 |

| Costo total (\$/ha) |          |
|---------------------|----------|
|                     | \$31,307 |

|                     |  | UTILIDAD (\$/ha)         |          |          |                 |          |          |          |
|---------------------|--|--------------------------|----------|----------|-----------------|----------|----------|----------|
|                     |  | Precio de venta (\$/ton) |          |          |                 |          |          |          |
| Costo total (\$/ha) |  | \$12,500                 | \$14,330 | \$16,170 | <b>\$18,000</b> | \$20,330 | \$22,670 | \$25,000 |
| \$26,610            |  | -\$1,610                 | \$2,050  | \$5,730  | \$9,390         | \$14,050 | \$18,730 | \$23,390 |
| \$28,180            |  | -\$3,180                 | \$480    | \$4,160  | \$7,820         | \$12,480 | \$17,160 | \$21,820 |
| \$29,740            |  | -\$4,740                 | -\$1,080 | \$2,600  | \$6,260         | \$10,920 | \$15,600 | \$20,260 |
| <b>\$31,307</b>     |  | -\$6,307                 | -\$2,647 | \$1,033  | <b>\$4,693</b>  | \$9,353  | \$14,033 | \$18,693 |
| \$32,870            |  | -\$7,870                 | -\$4,210 | -\$530   | \$3,130         | \$7,790  | \$12,470 | \$17,130 |
| \$34,440            |  | -\$9,440                 | -\$5,780 | -\$2,100 | \$1,560         | \$6,220  | \$10,900 | \$15,560 |
| \$36,000            |  | -\$11,000                | -\$7,340 | -\$3,660 | \$0             | \$4,660  | \$9,340  | \$14,000 |

NOTA:

Es necesario precisar que los datos contenidos en el sistema AGROCOSTOS son de carácter informativo y están destinados a estimar cuotas de crédito de diversos cultivos para aquellas empresas que lleguen a solicitar financiamiento con recursos fondeados por FIRA. Los datos sobre los costos de producción reportados provienen de un número reducido de observaciones, y, por lo tanto, no deben considerarse como estadísticamente representativos de los costos de producción nacionales, estatales, por cultivo, tecnología o ciclo productivo correspondiente. El uso para otros fines no es responsabilidad de FIRA.