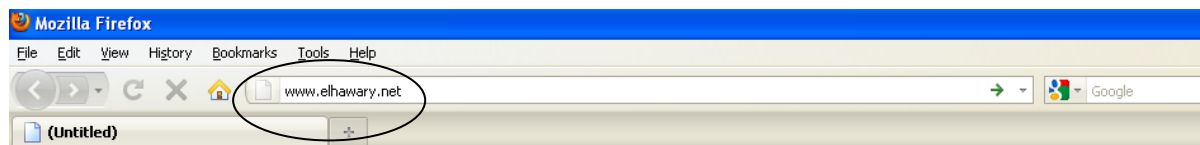


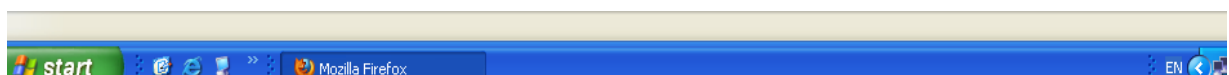
Web application for the formulas of intercropping and sequences systems evaluation .

For the easy usage of the intercropping and sequences systems evaluation formulas, a web application has been designed on the website “ www.elhawary.net “. The web application can be used if the following steps have been applied .

Step1 . Open the web page and Type "www. elhawary.net ". Then press Enter Button .



Step2 . After pressing the Enter Button , the website page will appear as follows :

A screenshot of the website page for Prof. Dr. Nabil El-Hawary. The page features a blue header with the name "Prof. Dr. Nabil El-Hawary" and the email "dr-nabil@elhawary.net". Below the header, there is a profile picture of Prof. Dr. Nabil El-Hawary, a research professor at the Field Crops Research Institute, Agricultural Research Center, Egypt. The page lists "NEW WEB APPLICATIONS FOR EYAR & MELER EQUATIONS" with five equations: EYAR1, EYAR2, EYAR3, EYAR4, and MELER. It also includes a section for "How to use the web application for equations" with Arabic text "كيف تستخدم تطبيق الويب للمعادلات" and a note that the equations and formulas were suggested by Prof. Dr. Nabil Awad El-Hawary. The page also has links for "General view of the scientific activity" and "Publications".

Step 3. Find formulas icons or formula name , for example **MELER** equation, press on it . The formula page will appear containing the table in which the data will be entered in it .

Step 4. After Entry the data , click the Button named “ Generate results “ to appear the result.

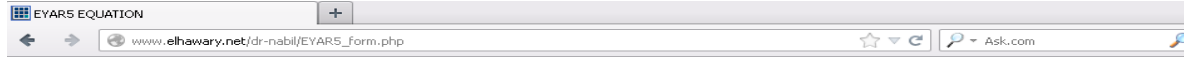
The result of MELER = 1.327 (32.698%)

Intercropping advantage net return = 412 LE/F.

Total net return = 1372 LE/F.

Important Note: Do not Type any thing in the empty cells and leave it as is.

Step 5. If you want to go to the EYAR₅ equations (for example) , go back to the home page and click on the formula name to open the new formula page . The new formula page will appear as follows :



CROP SEQUENCE SYSTEM A

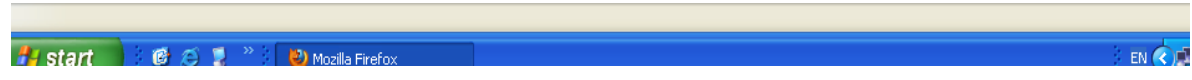
SEQUENCE DURATION : DAYS

MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON)		BY PRODUCT 1 (ARDAB/TON)		BY PRODUCT 2 (ARDAB/TON)	
		Yield	Price	Yield	Price	Yield	Price
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>

CROP SEQUENCE SYSTEM B

SEQUENCE DURATION : DAYS

MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON)		BY PRODUCT 1 (ARDAB/TON)		BY PRODUCT 2 (ARDAB/TON)	
		Yield	Price	Yield	Price	Yield	Price
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>



Step 6. Enter the data of sequence A in the first table , then enter the sequence B data in the second table . Click the Button named “ Generate results “ to appear the result.

CROP SEQUENCE SYSTEM A

SEQUENCE DURATION : DAYS

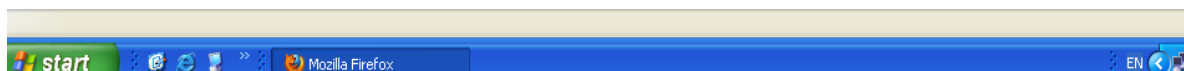
MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
CROP 1 :	<input type="text" value="1998.5"/>	Yield : <input type="text" value="3.33"/>	Price : <input type="text" value="1133"/>	Yield : <input type="text" value="2.77"/>	Price : <input type="text" value="500"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text" value="2.89"/>	Price : <input type="text" value="967"/>	Yield : <input type="text" value="2.72"/>	Price : <input type="text" value="127"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text" value="0.800"/>	Price : <input type="text" value="2500"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
<input type="text" value="3010"/>							

CROP SEQUENCE SYSTEM B

SEQUENCE DURATION : DAYS

MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
CROP 1 :	<input type="text" value="1998.5"/>	Yield : <input type="text" value="3.21"/>	Price : <input type="text" value="1133"/>	Yield : <input type="text" value="3.09"/>	Price : <input type="text" value="500"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text" value="2584"/>	Yield : <input type="text" value="3.298"/>	Price : <input type="text" value="967"/>	Yield : <input type="text" value="2.87"/>	Price : <input type="text" value="127"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
<input type="text"/>							

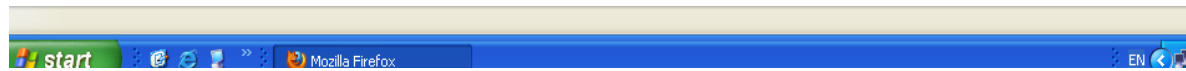
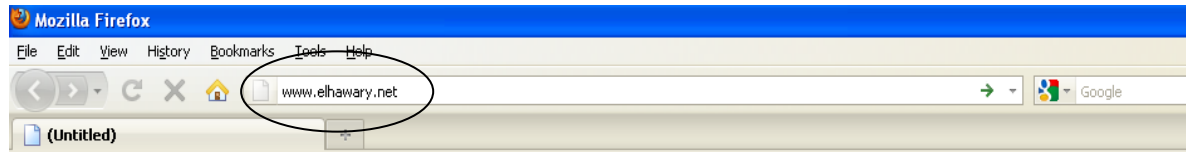
EYAR5 (THE GENERAL FORMULA OF SUCCESSIONS EVALUATION) = 1.136(13.635%)
YIELD ADVANTAGE NET RETURN = 1136.374 LE/F



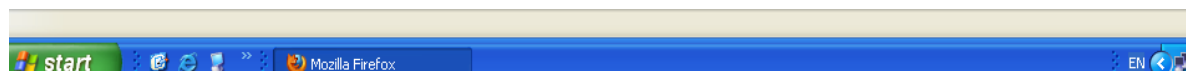
Web application for the formulas of intercropping and sequences systems evaluation .

من أجل استخدام الصيغ الخاصة بتقييم نظم التعميل والتعاقب فإنه تم تصميم صفحة ويب على الموقع “ www.elhawary.net ويمكن إستخدام صفحة الويب بإتباع الخطوات التالية :

الخطوه 1 : إفتح صفحة الويب بكتابه اسم الموقع "www. elhawary.net" ثم إضغط على زر إدخال .



الخطوه 2: بعد الضغط على زر ادخال سوف تظهر الصفحة التاليه :

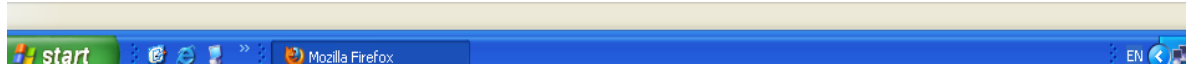
A screenshot of a website for Prof. Dr. Nabil El-Hawary. The header features his name 'Prof. Dr. Nabil El-Hawary' and email 'dr-nabil@elhawary.net'. Below this is a profile picture of Prof. Dr. Nabil Awad El-Hawary, a Research Professor at the Field Crops Research Institute, Agricultural Research Center, Egypt. The main content area is titled 'NEW WEB APPLICATIONS FOR EYAR & MELER EQUATIONS :'. It lists five equations: EYAR1, EYAR2, EYAR3, EYAR4, and MELER, each with a brief description and year. Below the equations is a section titled 'How to use the web application for equations' with the text 'كيف تستخدم تطبيق الويب للمعادلات'. At the bottom, there is a note: '* Equations and formulas that have been suggested by Prof. Dr Nabil Awad El-Hawary'. The website also includes links for 'General view of the scientific activity' and 'Publications'.

الخطوة 3: إبحث عن اسم المعادله " على سبيل المثال معادله MELER " اضغط عليه سوف تظهر لك صفحه المعادله محتويه على الجدول التي سيتم إدخال البيانات فيه .

www.elhawary.net/dr-nabil/MELER_form.php

CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
FIRST/MAJOR CROP							
Crop A :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SECONDARY CROP							
Crop B1 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B2 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B3 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B4 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
TOTAL COSTS OF INTERCROPPING CROPS							
CostC1 :	<input type="text"/>						
MONOCULTURE FOR THE COMPARISON							
Crop C :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>

Generate Result



الخطوة 4: اكتب الأرقام في الخانات المخصصة وأترك باقي الخانات بالجدول كما هي فارغه . بعد إدخال البيانات اضغط على " Generate results " لكي تظهر النتيجة .

www.elhawary.net/dr-nabil/MELER_form.php

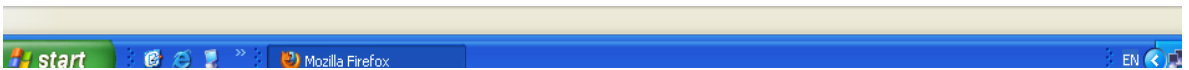
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
FIRST/MAJOR CROP							
Crop A :		Yield : 17.3	Price : 60	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SECONDARY CROP							
Crop B1 :		Yield : 0.98	Price : 800	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B2 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B3 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
Crop B4 :		Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
TOTAL COSTS OF INTERCROPPING CROPS							
CostC1 :	450						
MONOCULTURE FOR THE COMPARISON							
Crop C :	300	Yield : 21.0	Price : 60	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>

Generate Result

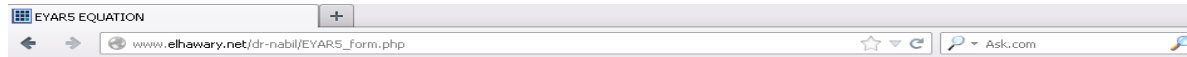
The result of MELER = 1.327 (32.698%)

Intercropping advantage net return = 412 LE/F.

Total net return = 1372 LE/F.



الخطوة 5: عند الذهاب لمعادله EYAR₅ ارجع الى الصفحة الرئيسييه ثم اضعظ على اسم المعادله وسوف تظهر صفحه المعادله .



CROP SEQUENCE SYSTEM A

SEQUENCE DURATION : DAYS

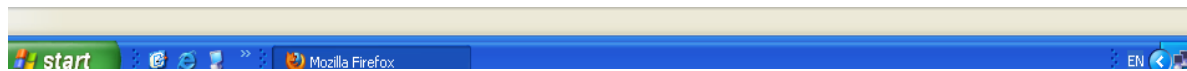
MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
	<input type="text"/>						

CROP SEQUENCE SYSTEM B

SEQUENCE DURATION : DAYS

MONOCULTURE CROPS							
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARDAB/TON) LE		BY PRODUCT 1 (ARDAB/TON) LE		BY PRODUCT 2 (ARDAB/TON) LE	
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
SIMULTANEOUS (OR/RELAY) INTERCROPPING							
CROP 1 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 2 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 3 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
CROP 4 :	<input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>	Yield : <input type="text"/>	Price : <input type="text"/>
	<input type="text"/>						

Generate Result



الخطوة 6: اكتب أرقام التعاقب الأول في الجدول الأول واترك باقي الخانات فارغه كما هي ثم أدخل أرقام التعاقب الثاني في الجدول -الذي في الأسفل- في الخانات المخصصة واترك باقي الخانات فارغه كما هي ثم اضغط على " **Generate results** لكي تظهر النتيجة .

CROP SEQUENCE SYSTEM A

SEQUENCE DURATION : 334 DAYS

MONOCULTURE CROPS						
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARBAB/TON) LE		BY PRODUCT 1 (ARBAB/TON) LE		BY PRODUCT 2 (ARBAB/TON) LE
CROP 1 :	1998.5	Yield: 3.33	Price: 1133	Yield: 2.77	Price: 500	Yield: Price:
CROP 2 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 3 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 4 :		Yield: Price:		Yield: Price:		Yield: Price:
SIMULTANEOUS (OR/RELAY) INTERCROPPING						
CROP 1 :		Yield: 2.89	Price: 967	Yield: 2.72	Price: 127	Yield: Price:
CROP 2 :		Yield: 1.800	Price: 2500	Yield: Price:		Yield: Price:
CROP 3 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 4 :		Yield: Price:		Yield: Price:		Yield: Price:
	3010					

CROP SEQUENCE SYSTEM B

SEQUENCE DURATION : 298 DAYS

MONOCULTURE CROPS						
CROP SEQUENCE	COST/F. LE	MAIN PRODUCT (ARBAB/TON) LE		BY PRODUCT 1 (ARBAB/TON) LE		BY PRODUCT 2 (ARBAB/TON) LE
CROP 1 :	1998.5	Yield: 3.21	Price: 1133	Yield: 3.09	Price: 500	Yield: Price:
CROP 2 :	2584	Yield: 3.298	Price: 967	Yield: 2.87	Price: 127	Yield: Price:
CROP 3 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 4 :		Yield: Price:		Yield: Price:		Yield: Price:
SIMULTANEOUS (OR/RELAY) INTERCROPPING						
CROP 1 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 2 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 3 :		Yield: Price:		Yield: Price:		Yield: Price:
CROP 4 :		Yield: Price:		Yield: Price:		Yield: Price:

Generate Result

EYAR5 (THE GENERAL FORMULA OF SUCCESSIONS EVALUATION) = 1.136(13.635%)
YIELD ADVANTAGE NET RETURN = 1136.374 LE/F