Components of a Protocol





of a Protocol

In this video, we introduce all of the components of a protocol. A general overview of each editor is given, describing its purpose and functionality.

ARIVI EUILOIS	
 A form to enter information to document the study New advance for the study Menadora for the study	 A tool to manage an aspect of the study a exception a a

A protocol is made up of several different *editors,* which can be either:

A *form* to enter information to plan or document the study, or a *tool* to manage an aspect of the study.

In a protocol, the Header, Treatments, Protocol Description and Assessment Data editors are the main forms for entering information. The remaining editors provide various tools to plan and manage the study.



We begin in an empty protocol. There are a couple of ways to see that a protocol is open:

The title bar contains the word "Protocol", and

In the Navigation bar, the *Protocol* Description is listed. (When in a trial, the *Site* Description is listed instead)



E Del	ARA (12019.0															-	8	×
Table	- 06	lities	Window Graph	Add-Ins	Help														
0	0	- M-	ARNXI	b 🛍 😕	61 ST3	U 35: (5)	Q21	1211	a m	804	@ 🖄 I	n da i	+ 4	+ 50	6				
Treat	-	- I Ita 1			24 MT	AL		PA 1	-						(and a				_
-	-							_	_		00.00	0.0	1.4.4	6 m	Add one				II.A
Line	No.	Type	Treatment Name	Form Conc	Forn Unit	Form Type	Description	Rate	Pate Unit	Other Rate	Pate Unit	Sage	Code	Volume	Unit	Sac	Unit	1	
1	'n	СНК		-		_		-	_							_	_		
2	2																		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																		_	1
16				_															1
17																		_	
18																			

The first editor in the list is the Header. Define the Title and other basic information about the study, including the Protocol ID to identify the protocol.

This information creates the page heading used on all ARM reports.

The Treatments editor is used to describe the treatments that are to be studied.

There are many fields for documenting treatment information. For chemical studies, the formulation, product rates, and application information are the most important, so ARM can calculate product amounts to measure for each treatment when applying the products.

Components of a Protocol



 Jan named) Resource (English) File Edit Fermat Tools 	na Dia) Admi 2015.0 Table Utilitico Vilindow	Graph Add Ins	Help						- 6 x
D 💭 💥 🖬 👪 🗙 🍎 🛃	中・Q・図・当画 Assessment Dea - Line 1	0388	2 의 차 및	20.002	< K 🔳 (i 🗣 🔁 💷		+ % Q
9 🔤 ARM	Column Number	1	2	0	4	5	6	7	Provider
- Header	Pest Tare	- ×	~	~	~	~	~	~	Assessment New Hoter Fields 46
- Justneris	Post Code	9	~		~	~	4	K	View Options. Post Source in a
- C Pritocol Decorption	Pert Name	9	9	9	9	9	9	2	Value Call D 0 Cop Scientific N
- Ted Brabishnert Guid-	Circp Code					-	2	2	Between Coop Variety
- Cop/Pol.Description	Gra Neve		×			~		~	Description of
- Hankmanns	The American	v v	~ ~	~ ~	~ ~	× ×	2 2		
- Sel	January and Date							2	Vevs +
Application	Name of Tax					~	<i></i>	~	Orden
City Dage # Appl.	Accessor int			~		9	~	9	Holden Edds with information
 Pest Stage at Appl. 	Number of Subsemples								This wepty fields Default - 20 yields
 Testment Appl. Commenta 	Averaged By	0	ÿ	. M	2	M	U.	ų	DiSault Broffeetb wable
 Ste Information 	Assessment Tailon							2	Odaut - Fetilon Sola vable
General Contracts	Core Alter Fest Last Apple.								Default - Tablet Data Erray
- B Assessed Les	To Evalutional								
O Schedule Tasks Log	Gen Ster Chamanna								Marga from Shirty .
- Colordor	ARM Artist Cades							5	
& Asademits	Notes of Decembra		-					15	
Q ² Satisfy	NAME OF COMMENTS		_						
Sanay Anna Tanis Sanay Anna Tanis Tanis — Mady Lat Sanay Lat — Sanay Lat	5		l					2	
Deducted View (Rev)									1921 3

Next we skip down to the Assessment Data editor.

Describe important assessments that should be performed in the trial. This includes: Pest and Crop information, Type of rating and the unit of measure, and Number of subsamples.

Each assessment is entered as a separate column in this table.



Note that in a protocol, just the description of the assessment is available (we call this the assessment data *header*). In a trial, there will be a table for entering the actual data values.

	an a san san a	<i></i>
an named) freesed. (Englaty)	a Del Ante entre Tales - Différe - Vindens - Grants - Add Inc Note	- 6 X
Chipoton Bar	Topolo Lakepon	Treater
1000	and a set of the second s	(and the second
C Landard	Trid Etudioheut Gaddinos	very operation
- CO Description	Enterbeich required settings to use in trial	Hidden Heide er
The Contract of Contract	Agent (C) Developer	Tel Linear/June
- Condition Description	Rentian Number: Revision State:	Tel Date/Type
- Mathematic	Restor Date: Here Date: H	Product Type
Sed	Station II	560 1900
industrie		
Dog Stop # April		News
- Pest State-of Pool.	Treated Per Largin: U Gruna Zone: U	Chighed at Salar
Treatment Appl. Comments	Tested Plat Area:	Holden Folds with mismail
- Site Information	Relation: Tillage Type: S	Table empty fields
General Commercia	Study Design:	
Assessment Extra		s
O Sthedde Tasks	Search 0	Nepetrus Suda
— 🚺 Galendar	10	
Alebraria	Insert nov with Shife F7, Daleta ecount non-with Shife F8	Application Ran .
Q Settop	Burber	
📿 Doty Date	Tot II Reporting of Tale Ste Replements	
Durning Across Trais	×1	
7280		
- 🔤 Nasta Cakedar	Seal Sale: 1	
Study List		
A Inpost Weather Data	Some information is copied from General tab inf Settings - indire changes there	
	Onder Under CLP N II 2007/Net: 0	
	Conduct Linder GEP 12 Jun Difficials Theorytised Organization:	
	The Classics Technical	
	· · · · · · · · · · · · · · · · · · ·	

The Protocol Description contains many subsections (or tabs) to enter all other information for planning the trial. You can define:

Guidelines for establishing the trial, Crops and Pests to be studied, Planned application details, Guidelines for when applications should occur (at particular crop or pest stages)

The Schedule Tasks editor is used to plan and document tasks that must be performed throughout the season.

Create a task for treatment applications, taking assessments, and several other categories.

They can be scheduled on a particular date, or relative to a significant date in the trial.

	1gm	Desciption		Presidente	Provenies	
and and a	 Testment application - for Appl Dode: 			Not	Conference of	
stocal Decorption	O Assorant for Assorant Toring	v		New	Public name	
(Etablahnert Guid>	0 0her ~	. Assigned to:	×	Delete		
p Ped. Description	lines	Doaton Doaton	100 TO 10			
numeros	O Date: Jan-1-2013	Lingh	100 Personality			
indice.	60 Internel 0 Hauss ~	Durting	1 Dine			
n Raga # Acci.	Automotion In A 19				Caulty Apprintment	
t Stage of Appl.	Actionment				CANSE	ar He
Information	Farting/Transplant Data	• •			Induk completed to	u#a
wni Conmerts						
accord Exte	Carpelal (ge Ceasinan Irang -	haved - Corpeted Assynd to	Canger (F) Constant (c)			
heāde Triks						
Rendar						
ade una						
ange ange						
Cynam.						
nes const mes						
and the second sec						
and Caketon						
NA MARRAY CAN						
unary Acrose Trais Losse Galenslar - Luet						
bather Data						
A ANTAL CAR						
A ANTAL CAR						
Weather Date						
4						
on Canada						
way Across Trais						
asy Across Trais						
any reason.						
and Assess Tools						
ettinge tudy (h.im.						
in a second						
Service .						
denta						
denota						
denota -						
2 million and a second						
100						
in the second						
and the second sec						
Jane 1a						
denta						
NA.						
alar .						
100 1103						
de Teles						
161.101						
ment Exte	and the second s	and a subset of the proof of	and the second s			
	Corpleted Type Depotytion Timery - 1	Planed - Completed Assigned to	Length (b) Duration (c)			
Connerts						_
formation	manage introduct Data				Include completed to	aka -
ent. Appl. Comments	- Cop Enorgenes Educ e.	• •			CANTON	-
Stage of Appl.	Redeptor				Canter	er Hub
Rege at Appl.	Ashine al 4				Cavity Appointments	
in when	(0) Internel 🗠 Hauss 🗸	Durting	1 5 000			
		 Multiple di 	kga			
	O 0ato: Jan-1-2019 ∨ r		1			
NAME OF COMPANY OF COMPANY	ling	Completed Langth	100 C Hersender			
Per Description	law.	- Ovation				
0.0	0449			Dete	Remark	
Frahishnert Guida	0.00	Assigned to	v			
focal Sensiption	Commence of the second states in the			New York	CAMI OF M	
an weather the second sec	O forward in house Trees			1000	Constantion of Consta	
	 Teatment application - for Appl Code: 			Next	TELEFORME F	
	1 give	Desciption			1 opened	
	-				Burneles	

Components of a Protocol



Celender								
Today [] Day [9] Week [] Mord	O O Averat Sectoria 2000	Properties a						
August 2018	igust 2018 P (C) (C) August - September 2018							
a 22 30 31 1 2 3 4	Sunday Monday Tuesday Wednesday Ibursday Priday Sahurday	 						
32 5 6 7 8 9 10 11 #1 12 13 14 15 16 17 18 5 10 20 21 22 23 24 25 16 26 27 20 29 30 31		Type Treatment application Assessment Okenny						
September 2018	18 30 31 12 13 14 15							
Sur Mo Tur We Th Fr Se 1 2 3 4 5 7 8 10 2 3 4 5 7 8 17 9 10 11 12 13 14 15 30 16 17 18 19 20 21 22 16 17 18 19 20 21 22 16 17 12 25 25 27 28 29 10 30 50		Industry completed tasks Lenet tasks for 7 Days Color code						
October 2018		Type v						
Su Mo Tu We Th Fr Sa o 1 2 3 4 5 6 r 7 8 9 10 11 12 13	8 H	Pant						
42 14 15 16 17 18 19 20	3 S S S S S S S S S S S S S S S S S S S							
4 23 29 50 31	2 3 4 5 6 7 8							
45 6 7 8 9 10	1							
	9 10 11 12 13 14 15							
	2 2 2 2	•						

The Calendar then displays the defined tasks in a calendar view. Each task can also be synced with Outlook.

Link external files to an ARM study by using the Attachments editor.



Settings control high-level aspects of the study, like the experimental design or application information.



Finally, define Study Rules to explain and enforce instructions to follow when filling out the study. These ensure consistency of trial data and protect critical information.

Study Rules can be used to:

- *Communicate* to trialists the important data entry fields that should be completed.
- *Restrict* trialists from changing key trial information, and
- *Hide* confidential information from those who are not authorized to see it.