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Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	Ms_AJEA_27930
Title of the Manuscript:	CHALLENGES ON PRODUCTION AND UTILIZATION OF WHITE LUPIN (<i>Lupinus albus</i> L.) IN ETHIOPIA: A STRATEGIC ORPHAN CROP
Type of the Article	Research study

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The work has the character of Research Study. Manuscript is unacceptably long (6 pages would be enough).	This article is original research paper which is mainly based on the data collected on field survey from white lupin producers of selected production areas. To access the feature of white lupin production, the Agricultural sample survey of the Ethiopian Central Statistics Authority was included as secondary data for trend analysis on area coverage, production and productivity of white lupin. Hence, this original research article.
<u>Minor</u> REVISION comments	Abstract should not contain parts: Aim, Study design, Methodology, Result, Conclusion. Abstract should briefly inform about the achieved results. on line 105 - which means CSA? I have not found to Tables 6, 8, 9 and 10. In the Conclusion to be explained: Why is the downward trend in area, production and yield / ha ?	These parts are included as per the guideline. (CSA) is to mention "Central Statistical Agency" and is corrected/edited on line 108. The tables are edited placed in the text according to the reviewer's comment are indicated in lines 385,411,427, 446 respectively. Regardless of its importance, improved



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	What is the reason? In the title of your article that white lupine is a strategic crop in Ethiopia !!! Why is <i>Lupinus albus</i> considered a strategic crop if it is harmful as food and feed as well. It should be noted in what way will results of this study help to farmers in Ethiopia.	production packages (high yielding early maturing, and disease resistant varieties along with improved cultural practices) are not available for white lupin production as a result, its production and productivity remained behind other pulse crops. Therefore, the research system should work to generate improved production and utilization technologies. This concept is included as edition/ in the conclusion part on lines 474-480. The crop has multipurpose benefits such as, nutritional value as food and feed, therapeutic values and soil fertility maintenance which make the crop as strategic potential crop.(in conclusion part on line 461-463. since the alkaloids are water soluble, its harmful effect on more intake of lupin can be easily managed through proper soaking of roasted seeds which help to remove the alkaloid at tolerable level and can be confirmed by testing. Included on lines 346-348. Generally, the current study identified the major production problems such as lack of production practices packages, late
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		maturity, disease occurrence, stepwise postharvest processing as the challenges in production and utilization of white lupin. Different indigenous knowledge for lupin production and utilization including therapeutic values were also noted which can be exchanged among the producers. The major production problems mentioned in this research can be used as research ideas for researchers for further problem solving on production and utilization of white lupin. (included on lines 503-509, in the conclusion part)
Optional/General comments		